

Date Book
For
1930

CALENDAR FOR 1930

1930	S	M	T	W	T	F	S	1930	S	M	T	W	T	F	S
Jan.	..	..	..	1	2	3	4	July	..	..	1	2	3	4	5
	5	6	7	8	9	10	11		6	7	8	9	10	11	12
	12	13	14	15	16	17	18		13	14	15	16	17	18	19
	19	20	21	22	23	24	25		20	21	22	23	24	25	26
	26	27	28	29	30	31	..		27	28	29	30	31	..	..
Feb.	..	..	..	..	..	..	1	Aug.	..	..	..	..	..	1	2
	2	3	4	5	6	7	8		3	4	5	6	7	8	9
	9	10	11	12	13	14	15		10	11	12	13	14	15	16
	16	17	18	19	20	21	22		17	18	19	20	21	22	23
	23	24	25	26	27	28	..		24	25	26	27	28	29	30
Mar.	..	..	..	..	..	..	1	Sept.	..	1	2	3	4	5	6
	2	3	4	5	6	7	8		7	8	9	10	11	12	13
	9	10	11	12	13	14	15		14	15	16	17	18	19	20
	16	17	18	19	20	21	22		21	22	23	24	25	26	27
	23	24	25	26	27	28	29		28	29	30	..	..	..	..
	30	31	..	..	..	..	..	Oct.	..	..	..	1	2	3	4
Apr.	..	..	1	2	3	4	5		5	6	7	8	9	10	11
	6	7	8	9	10	11	12		12	13	14	15	16	17	18
	13	14	15	16	17	18	19		19	20	21	22	23	24	25
	20	21	22	23	24	25	26		26	27	28	29	30	31	..
	27	28	29	30	..	..	..	Nov.	..	..	..	..	..	..	1
May	..	..	..	..	1	2	3		2	3	4	5	6	7	8
	4	5	6	7	8	9	10		9	10	11	12	13	14	15
	11	12	13	14	15	16	17		16	17	18	19	20	21	22
	18	19	20	21	22	23	24		23	24	25	26	27	28	29
	25	26	27	28	29	30	31		30	..	..	..	..	..	..
June	1	2	3	4	5	6	7	Dec.	..	1	2	3	4	5	6
	8	9	10	11	12	13	14		7	8	9	10	11	12	13
	15	16	17	18	19	20	21		14	15	16	17	18	19	20
	22	23	24	25	26	27	28		21	22	23	24	25	26	27
	29	30		28	29	30	31


1.60

Date Book For 1930

Trade Mark

K & T

Reg. U. S. Pat. Off.



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1930 Wednesday 1, Jan.

Cook and I ^{New Year's Day.} both worked practically all day today on Searle's collection of last summer. Would have finished it but ran out of tags. I worked on the clerical end until 10 P.M.

Jan. Thursday 2, 1930

Today received Woodbury's description
of Crotalus concolor probably
anticipating my Crotalus ^{confusius} decolor.
Serves me right for delaying so
long to get connecting links in this
species. Have known about this
for 14 months.

1930

Friday 3,

Jan.

Cooked ~~and~~ packed specimens and
did other miscellaneous work.

Jan. Saturday 4, 1930

1930 Sunday 5, Jan.

Today finished repeated rereadings of the Confluentia paper.

Also did much miscellaneous record work.

Today Cook completed his work. For the past several days he has been packing rattlers for shipment.

All rattlers ready for shipment.

No 18664 of U.S.N.M. is lost.

Jan. Monday 6, 1930

Shipped out all specimens today.
Munson built new shelves.

1930 Tuesday 7, Jan.

Went to San Francisco this
afternoon

Jan. Wednesday 8, 1930

In San Francisco

1930 Thursday 9, Jan.

In San Francisco

Jan. Friday 10, 1930

Returned from San Francisco
this noon

Received a specimen of
Crotalus terrificus durissus
from D.D.H. March and a
shipment from B.C. Marshall.

1930 Saturday 11, Jan.

The new shelving on the east side of my storeroom having been finished, today completed the rearrangement of all specimens - for the first time had room for all rattles, x

Attended meetings of the Scripps Institution of Oceanography and annual meeting of the Fellows of the Society of Natural History of S.D.

Philip Brought in a medium sized specimen of Gerrhonotus parvicauda webbii. A cold rainy week.

Jan. Sunday 12, 1930

Spent most of the day on statistical work - particularly the annual snake list. Took lots of time to check the zonal distribution.

1930 Monday 13, Jan.

Jan. Tuesday 14, 1930

Received the Confluentus mss
back from Abbott today.

Recd 3 specimens of oreganus
from Washington State Normal
School, Cheney, Wash. indicating
that oreganus goes practically
to the state line.

Went to Rotary meeting at
El Cajon this noon. 31 miles nothing
seen.

1930 Wednesday 15, Jan.

Today went out to snow at
Pine Valley. about 1 foot deep.
First snow at Terrinitos. Rained
all the way back. 96 miles; nothing
seen.

Confluentus paper to printer
today.

Jan. Thursday 16, 1930

Heard *Hyla regilla* for the
first time tonight.

1930

Friday 17,

Jan.

Jan. Saturday 18, 1930

This afternoon checked 3
Oreganus from Cheney, Washington
and 6 atrox from B.C. Marshall.
Packed exchange material to ship
to Marshall.

1930 Sunday 19, Jan.

Worked on a lot of odd indexing
etc. Particularly on the S.D. Co
lizard maps, bringing them almost
to date.

Jan. Monday 20, 1930

Finished checking the statistical
schedule for last year.

1930 Tuesday 21, Jan.

Today received proof of
Confluentia paper from Dove
and Robinson and gave it first
check.

Jan. Wednesday 22, 1930

Went to the golf tournament at Caliente today. A clear but windy day. 30 miles. Nothing seen.

Bogert calls to my attention a *Trimorphodon* in L.A. Museum from Deadman's Point, near Lucerne Valley, San Bernardino Co.

1930 Thursday 23, Jan.

Finished reading proof today
and will get it back to Abbott
tomorrow.

Wore glasses today for the
first time.

Jan. Friday 24, 1930

1930 Saturday 25, Jan.

Today I completed the S.D. County lizard maps from all sources.

All S.D. County maps are now up to date for the first time.

Began to tabulate the atrox group for the Lower California paper.

Jan. Sunday 26, 1930

Continued to tabulate the atrox group. made good headway but it is a tedious job.

Saw Abbott from 4³⁰ until 6. Discussed the proof of the confluentus paper

1930 Monday 27, Jan.

Jan. Tuesday 28, 1930

1930 Wednesday 29, Jan.

McKinley's Birthday

Jan. Thursday 30, 1930

1930

Friday 31,

Jan.

Feb. Saturday 1, 1930

Miscellaneous items in the
laboratory; also worked on
proof of Confluentus paper and
2nd edition of Lower Calif. Paper.

1930 Sunday 2, Feb.

Worked on Lower California rattles
papers x

Feb. Monday 3, 1930

1930 Tuesday 4, Feb.

Went to Agua Caliente with Boigs
and Wards party. A fine clear
warm day. Nothing seen.
30 miles in County.

Feb. Wednesday 5, 1930

1930 Thursday 6, Feb.

Went to Los Angeles today with Holloway. A clear warm day. Nothing seen. 61 miles in the County.

Stopped at Schulbach's at 3 P.M. but he was not open.

Saw Winkler's material. He had 6 atrox, 3 oreganus, 1 scute from northern Sonora and about 15 cerastes from Southern Ariz. He gave me 3 atrox, 3 oreganus, 1 scute, 3 cerastes. The atrox are the same as any Ariz. specimens.

The cerastes are from 5 mi. N.E. of Sells or Indian Oasis. All S.W. of Tucson.

Black oreganus, atrox and scute are from 20 mi S.E. of Sasabe about 10 mi south of line. Under flat rocks. Very cold about Nov. 25th. Partly dormant. all together in radius of a few miles.

In the evening heard Roehrig address herp. society. Nothing new. No specimens on exhibit.

Feb. Friday 7, 1930

Worked a short time in the
afternoon in L.A. museum.

Returned after dark to S.D. arriving
10 30

1930 Saturday 8, Feb.

This afternoon pickled the 10 Weinberg specimens and about 6 others. Made scale counts on 8 of the 10. Noted that 3 (at least) of the Weinberg rattlers were badly infested with worms.

Feb. Sunday 9, 1930

Nothing accomplished today.
Hip out of joint.

1930 Monday 10, Feb.

Feb. Tuesday 11, 1930

Today went to the El Cajon Rotary Club for lunch. * Went out market
It returned via Fletcher Hills.
Nothing seen. A fine warm day.
30 miles.

1930 Wednesday 12, Feb.

Lincoln's Birthday

Today I received from the Natural History Museum a large male red rattler from Dulzura. Skinned him.

Feb. Thursday 13, 1930

1930

Friday 14,

Feb.

St. Valentines Day

Feb. Saturday 15, 1930

This afternoon I worked on specimens,
filing arranging etc. Also made
scale counts on some oreganus
from Washington

1930 Sunday 16, Feb.

Spent most of the day fixing up the Bancroft expedition with material for collecting reptiles. Talked with Gruff. at considerable length.

Returned specimens to Brode, Leffingwell and Barbour.

Back still bothering me. Haven't enough pep to work on howes California.

Feb. Monday 17, 1930

Today furnished Bancroft with 4-5 gal milk cans $\frac{2}{3}$ full of 1-10 formalin and 10-5 qt. jars in a special box. Also a .22 rifle. They promise to collect.

1930 Tuesday 18, Feb.

Cook mentioned Anabella from
monument on Mexican side of line -
taken Feb 15th

Went to L.A. in the afternoon.
A clear warm day; 62 mi in
County.

1	Gopher	Small	D.O.R.	Torrey Pines mesa
1	"	"	"	Carlsbad.
1	"	"	"	Dana Pt.
1	"	"	"	Opp. Newport.

Saw Schulach collection. Nothing
of interest

Feb. Wednesday 19, 1930

Returned from Los Angeles in the afternoon. $83^{\circ} - 6^{\circ}$. Nothing seen. 64 mi. in country. Slightly cooler than yesterday.

Feb 1931 Continued.

of cerastes. Around Little Lake stephensi is found (as proved by 3 skins) but is not common. He thought he had only seen 8 or 10 in as many years. Oreganus occurs in the timbered regions of the Sierras but does not come far down. He had found them at 9000 ft. Other snakes found at Little Lake are Boyles King's and Red Racers.

Hunted lizards where we were stuck. Saw one Uta?

In the evening went out in the marsh and picked up a number of Hyla regilla. They were calling. Also went out around the lake. Heard splashes which might have been caused by the large frogs which Bramlette says are planted there but didn't see any.

The east base of the Sierras is quite bare of vegetation. The mountains east of the valleys are largely volcanic - great masses of black lava.

1930 Thursday 20, Feb.

Today started with the family for Death Valley at 4 P.M. A cloudy, cool day with some rain. 62 miles in the country; nothing seen. Arrived at Mojave at 11¹⁵ P.M. Very cold and windy. Went by way of Pasadena, San Fernando, Mint Canyon, Lancaster. Tried to get rooms at the latter but had no luck. Total miles 242.

This was the first day the new running board box was used. Seems to be very good.

Also today I finally succeeded in getting the gunsmith to finish the 10 inch barrel on the little Stevens .22 pistol.

Feb. Friday 21, 1930

Started from Mojave this morning at 8⁴⁰. The car had been noisy the day before account a blown exhaust gasket but the mechanic at Mojave said he had no spare and that it would cause no harm.

It was clear and cool all day with little chance for specimens.

First stopped at a well in Red Rock Canyon but found nothing. Stopped twice further on; once to take pictures and once to change a tire of a roofing nail puncture. At about 11 P.M. Fowlers and Days passed. A little further on 7.7 miles south of Little Lake burned out a crank bearing. Waited two hours for a tow car and was then towed to Little Lake. Total miles 68.9.

W.W. Bramlette who owns hotel and garage advised against trying to make the repair ~~and~~ with his mechanics so after some discussion called up Pan-dego and got some men started with repair parts.

Talked rattlesnakes with Bramlette who has been in this vicinity for many years and seems to know them well. He said he had caught 2 green velvet rattlers (undoubtedly Scutiger) about 15 miles south of Little Lake. This was as far north as he had ever seen them. He also thought this was the north limit (Cont Feb 19)

1930 Saturday 22, Feb.

Washington's Birthday.

Brown and a mechanic from San Diego arrived early this morning and effected repairs by noon.

We left Little Lake at 8 P.M. and arrived at Riverside at 6³⁰. Rain much of the way; in some places quite hard. Total miles 163.

Saw some good snake country. Particularly at a point about 10 miles north of Randsburg there was a pile of rocks in the center of a valley that ought to be good at the opening of spring.

Went via Hyskeu, Randsburg and Adelanto. Road is not bad.

Feb. Sunday 23, 1930

Returned from Riverside to San Diego today. Started at 9³⁰, arrived at 1 P.M. Went via Corona and took a side trip to Norcoman Lake Country Club. Saw some good snake country in Riverside Co., particularly a mountain near Riverside. Too cold and wet to expect specimens although there were many dead toads on the way. Noted a dead Bufo boreas halophilus at ~~77~~ 36.5.

County line 72.9 miles at finish 145.2 miles in the county 69.

1930 Monday 24, Feb.

Today Myers told me of a large red rattler killed today at Bernardo. Was found in a crack of granite. Unfortunately broke its neck trying to get it out. It measured 5' 1".

Cook told me of 3 snakes found on Saturday and Sunday. 1 Arizona 4 ft long at Monument 558. It ate 2 Utas in the sack. Was found on the sand. 1 Small Oreganus and 1 small lateralis found in the park.

A Benedict today brought me a large red ~~adder~~ racer taken at Banner. Was so cold when he found it he couldn't tell if it was alive or not.

Feb. Tuesday 25, 1930

Received today from U.C. 7 Crotalus
specimens for examination and
from USNM 31. Did not get the latter
home.

1930 Wednesday 26, Feb.

Today Weinking called. He leaves tomorrow morning for Lower California. Outfitted him with 5-5 gal cans, 1-1 gal can, a .22 rifle, 1500 shells, tags, cloth, directions, a shovel, 8 pts of formalin etc.

Feb. Thursday 27, 1930

A cold windy rainy day.
Unpacked the USNM specimens.

1930 Friday 28, Feb.

got the first copies of the Confluentia
paper today.

Mar. Saturday 1, 1930

Got 100 copies of the Confluentus paper.

Went to Agua Caliente for lunch and did not get home until 4 P.M. 30 miles. Clear and warm. Nothing seen.

Worked on USNM specimens and finished 2. Cleaned up miscellaneous specs.

1930 Sunday 2, Mar.

Worked over 31 specimens from USNM.
and 1 Rule from V.C. Took me until
5²⁰

Mar. Monday 3, 1930

W. A. Rowe of San Fernando called today. Discussed the Herpetological Society.

He told me of a *Colonyx* being found near Owensmouth, Los Angeles County.

Cook found a ring neck in the park yesterday.

Huey gave me a ring neck taken in the park for the Nat. Hist. Society.

1930 Tuesday 4, Mar.

Mar. Wednesday 5, 1930

1930 Thursday 6, Mar.

March 7th Continued.

some other lizards (probably skellies and utas) but couldn't identify the latter.

At 12³⁰ went with GM Wills to Riverside Junior College and visited with Edmund C. Jaeger until about 2 P.M. Discussed herpetology and had an interesting time.

Mar. Friday 7, 1930

Today went to Riverside and back to attend a meeting of the Interchange Committee. Started at 6³⁰, arrived at 9⁴⁵. Returned at 3⁰⁵ arriving at 7 P.M. Total miles 548. Miles in County during daylight hours 104. Went via new 6th St grade and Chesterton.

In the morning on the north bound trip it was cold and very foggy in the vicinity of Temecula and Escondido. Stopped on several occasions to turn over boards but found no salamanders. There were quite a few toads on the road but I stopped only twice to identify. Both were Bufo boreas halophilus - one 8 mi S. of Escondido the other at Red Mt.

Two D.O.R. snakes were noted - a large gopher being eaten by a buzzard at north end new Bonsall bridge and a large T.S. infernalis at Temecula (marsh on both sides.)

Coming back it was warm and pleasant. There was a large freshly killed red rattler at Temecula (1 mi this side) Stopped here and looked for Xantusia but found none. The rocks do not have very good flakes. Saw several nice scutellaria and

1930 Saturday 8, Mar.

Worked on the atrox group papers
all afternoon and evening and made
good progress.

Leda caught a ring neck near HK's

Mar. Sunday 9, 1930

Worked on atrox paper in laboratory all day. Progress good. Rounding into shape nicely.

Cook brot in tonight for identification

2 *Rana aurora draytonii* ^{Sh} ~~at~~ Japetus School

2 *Bufo californicus* (large) " "

4 *Hyla arenicolor* " "

1 *Thamnophis ordinoides hammondi* wed "

Says he caught more toads and lizards; it was cold out there.

Today (Mar 10) saw skinks, skellies and uta stans from the same place.

1930 Monday 10, Mar.

Nat. hist. museum. 1 Alligator and a
skunk from 2 mi. e. of Camp Kearney

Mar. Tuesday 11, 1930

1930 Wednesday 12, Mar.

Mar. Thursday 13, 1930

1930 Friday 14, Mar.

Recd today a small ring-neck
from Abbott (S.D.)

Mar. Saturday 15, 1930

This morning met W.C. Hayes who is making a collecting trip into Sonora.

In the afternoon and evening worked on rounding out the atrox paper. Not very good progress.

Tonight Cook, using the max for the first time brought in a fine lot of Ityla regilla and B.b. halophilus from Winona air city and one Ityla from Poke Falls.

This was the second day of a cold hard rainstorm.

1930 Sunday 16, Mar.

Went to Fowlers place near Wynola for lunch. Fowlers, Jones', Fosters and Beckham. A cold day with some rain and snow. Snow as far down as the hills west of Santa Isabel. Start at 11¹⁰ ; Returned at 6⁴⁰. 100 miles in daylight. Nothing seen except a few squashed toads.

Cook brought around tonight 4 Hyla regilla and 1 B. a. leucopus from Hodges Dam.

Mar. Monday 17, 1930

1930 Tuesday 18, Mar.

Today the atrox paper was finished ready for submission, although some plates and figures still require attention.

Mar. Wednesday 19, 1930

Spent the evening (except Amphion)
on sketches for atrox paper

Submitted the paper to Mrs. Benchley

1930 Thursday 20, Mar.

Athox paper went to the printer this afternoon.

Worked on maps today.

Mar. Friday 21, 1930

Made a talk to the guests of the
Park Manor

Walker brought in a Scaphiopus
from Riverside

1930 Saturday 22, Mar.

Spent the afternoon working on rattlesnake data for stores, from 1 P.M. to 6¹⁵. Company in the evening.

Mar. Sunday 23, 1930

Spent the morning working on the sketches for the atrox paper.

In the afternoon went out with Giff and Phil from 1⁴⁵ to 5¹⁵. Went via Hodges Dam, San Pasqual, Ramona and Home via Fletcher Hills. A fine day, very warm. 88 miles.

No live snakes were seen. A few live lizards were to be seen on rocks, none was identified. A live alligator lizard was seen crossing the road at Shady Dell.

Hunted for a few moments at one point in San Pasqual. Found one Hyla regilla under a cap rock much like arenicolor is usually found.

1 Small Gopher DOR Mission Valley
1 Garter med DOR San Pasqual
1 Garter small DOR Shady Dell.

Had a puncture due to a nail at Ramona. ^{Many dead toads were seen, too dried up to identify.}

Cook came in tonight with a good lot of amphibians from Agua Caliente Springs, and a few lizards.

1930 Monday 24, Mar.

Mar. Tuesday 25, 1930

Drove to Los Angeles and back today with Kober. In the back seat so couldn't check the road. Hylas heard at Serra and Del Mar.

1930 Wednesday 26, Mar.

Mar. Thursday 27, 1930

1930

Friday 28,

Mar.

Mar. Saturday 29, 1930

This afternoon went to Fowler's place near Wynola. A warm day. Started at 2 P.M.; arrived at 4 P.M. 60 miles.

1 large garter DOR Fletcher Hills

1 large gopher DOR Lakeside

After arrival I walked around in the rocks at his place and saw a few skellies and utas. Looked under logs but found no amphibians.

Wes and Al may had a small garter for me which they had caught at the entrance to Fowler's place.

1930 Sunday 30, Mar.

This morning was cold and foggy at W ynola; not worth while hunting anything.

This morning at 9 AM started for Borego Valley with Baker and Hopkins. Went as far as the end of the road at Palm Canyon. It was quite cool and clear in San Felipe. In Borego Valley it was warm and comfortable but windy. Only one lizard (abeira) was seen in the entire trip. No snakes. Did no hunting. Returned to Fowler's at 1 P.M. There was one *C. wislizeni* dead on the road near the entrance to Palm Canyon.

Came home at 4 P.M. arriving at 545. Cold and cloudy; nothing seen. Total miles today 146. Therefore distance from Fowler's place to end of road at Borego Palm Canyon is 43 miles.

Mar. Monday 31, 1930

First rattlesnake milting of the
season today.

1930 Tuesday 1, Apr.

(April 20th Cont)

Very hot at Leon Bernardino and
Riverside.

1 Arizona L DOR Perris (saved).

1 Red Race, M DOR Elsinore

1 " M DOR Bonnell.

Reached home at 5:45

Miles in country 68.

Miles today 212.6

Total miles for the trip

Thursday 179.7

Friday 215.2

Saturday 208.2

Sunday 212.6

815.7

Apr. Wednesday 2, 1930

Went to Los Angeles with Robt.
late this evening.

Hyla regilla calling at
Capistrano

1930 Thursday 3, Apr.

Talked to the Herpetological Society
in Los Angeles this evening. No
specimens of interest were seen.

Apr. Friday 4, 1930

Returned from Los Angeles this evening.

Received today a message from O.F. Herkkela, Home Postal.

1930 Saturday 5, Apr.

Too much to do inside to go
out. Worked on appendix 1
for atrox Paper.

Apr. Sunday 6, 1930

Worked all day on Appendix 2
of Atrox paper, i.e. statistical
data on *Scutellatus*

Today Cook brought in a
medium gopher from Furcrest and
two garter snakes from north end of
Loway grade

1930 Monday 7, Apr.

(Sunday April 13 ~~Continued~~)

1 Desert Gopher S. DOR	← mi. W. of Seeley	100.8
Plaster City		109.6
County line		128.2
1 Trimorphodon L DOR	Jacumba	137.6
End of Pavement		1
1 Gopher L. DOR	La Posta	157.8
1 Banded Racer L DOR	Buckmans	162.1
1 Patchnose M DOR	Twin Brooks	185.6
Final Miles		214.3

Hellers brought around an
alligator lizard from Santa Piedad.

Apr. Tuesday 8, 1930

Today at noon Gander told me of a Boyles King taken last week in the Park. This can be entered.

Walker found the three dead rattlers killed by the Park Commission in Borego Palm Canyon last week. They were all reds and can be entered.

He also brought in a punctatus from Yaqui Well.

(The above should have been entered on Monday, April 7)

Today I went to El Cajon Rotary at noon to make up attendance; went out via Broadway extension, returned by way of Fletcher Hills. 3+ miles.

1 large L.g. boylii DOR at Chollas Hts
 1 " L. californicus " " "
 (Farmvint air).

Tonight Cannon brought me 5 fire rattlers; also saw a red racer from Farmvint, L.A. Co.

1930 Wednesday 9, Apr.

Cleared up the basement today.

Completed Appendix 2 and 3 to other papers.

Apr. Thursday 10, 1930

(April 11th Continued)

the road 8 mi. N.W. of Indio. Found two more D.O.R. between here and Indio, of which I saved one.

Hunted along the road at 2 points but found nothing.

It was cool and windy; rather surprised that sidewinders and arizonas should be out.

On return to Indio heard some toad calling but could not find any. Found one Woodhousei dead on the road at Indio. Presume this was what I heard calling.

In a store at Palm Springs saw a large atrox skin which was said to have come from near Blythe (6 mi. east).

1930 Friday 11, Apr.

(Continued from April 12)

1 Gopher Small DOR Elsinore	90.0
1 Ruler Large DOR Elsinore	93.9
1 Gopher Small DOR Val Verde	104.3
1 Ruler Large DOR Morena grade	126.1
(Call this Eden Hot Springs).	

Beaumont	132.6
----------	-------

1 Gopher Large DOR Cakagon	140.9.
1 Boyle's King L DOR	180.0
1 Sidewinder L DOR	180.4
(Indian Wells)	

Indio	187.4
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Only note of importance this afternoon was the disposition of the Boyle's King caught alive. (Hood between him and the grass on the edge of the road. He rattled his tail, swelled up and came right at me.

In the evening about 8³⁰ went up the main road toward Banning. 8.7 mi. mi. Plenty traffic. Returned to Indio about 10 AM.

One large sidewinder D.O.R. alt 3 mi N.W.

Caught a small Arizona crosser
(Continued to April 10th)

Apr. Saturday 12, 1930

Today at 3³⁰ P.M. started for Indio with gg and Philip. A clear and cool day in town. Windy in San Geronimo Pass as usual. Moderately warm at Palm Springs. Cooler and breezy at Indio. Went via 6th St, Chesterton, Esccondido, Elsinore, March Field, San Geronimo Pass, Palm Springs. Total miles in County 67.8. Miles to Indio 187.4. Extra miles evening trip 7.4.

1 Gopher L DOR Mission Valley	3.2
1 Banded Racer L DOR " "	3.3
1 Pacific Rat M DOR Poway (grade)	17.8
1 Boyle's King L DOR San Marcos	38.6
1 Boyle's King L Caught on Bonsall	51.6
1 Boyle's King L DOR Bonsall	52.0
1 Unknown (probably garter) Lost on Road at Bonsall	52.1
1 Gopher Small Caught on road Rainbow	65.9
1 Horned Toad DOR "	66.1
1 " " DOR County Line	67.8
1 Cal garter L DOR Temecula	74.0
1 Gopher S DOR "	76.8
Murretta =	79.4
1 Gopher S DOR Wildomar	86.2

(Continued April 11th)

1930 Sunday 13, Apr.

Started for home at 9AM today.

Expected to do much hunting along the road but did none at all on account of the weather. It was overcast and cool on the desert. A bad dust storm in the vicinity of Coachella. Heavy rain from Brawley to El Centro (where we stopped for lunch) and to Seeley. Very cold and windy in the mountains; evidently had rained the night before. It would have been useless to hunt. Reached home at 5 P.M.

Total miles ≈ 14.3 . Miles in County 86.1

1 Desert Gopher S D.O.R. 7 mi. S. of
Coachella

11

1 Long Nose (no red) L DOR Oasis 20.1

Imperial Co line 24.0

1 Sidewinder L DOR 41.5

1 Leopardly L DOR 43.1

1 " lizard L DOR 46.7

1 Sidewinder S DOR 50.7

(= Kane Spring).

1 Sidewinder S. DOR 55.1

El Centro = 91.8 (afc detours) at 1245

1 Desert Gopher S DOR Seeley 98.8

(saved) 1 *Thamnopis marnianus* DOR ^{2 mi. N of} Seeley ~~98.8~~ ^{100.8}

(Continued to April 7th)

Apr. Monday 14, 1930

Milked rattlers this noon.

Got a fair lot of rubber venom. Not much of anything else.

Walker brought in some fair material - not very much.

Cook phoned in this morning he was stuck with the Max at Buckman's. Sent out to get him. He brought in quite a bit of stuff. Was particularly interested in what seemed to be a large Arizona gopher, *Say's* *affinis* from Calif.

All his stuff will be pickled and therefore properly recorded except a large Cerastes from 3 mi. N. of Potholes sent to Mrs. Wiley.

Also *Sceloporus magister* from 3 mi. N. of Bard.

1930 Tuesday 15, Apr.

(April 19th Continued)

South of the point where the road branches to Ryan, Callys and *P. platyrhinos* were very common. This was on a long high mesa or alluvial fan. There were rocks along side of the road and the lizards were seen on them. If we had had time to stop a great many might have been collected. It was this way almost all the way to Shoshone. Utae and whips were also seen. Never saw Horned Toads of any species so common. The weather was a little too warm for comfort. The horned toads were usually on the sunny side of the rocks. They seldom moved and were easily caught. Below Shoshone not so much was to be seen. Probably getting too late. Reached Baker at 6³⁰ and had supper. Barstow at 9 P.M.

Shoshone looked good for amphibians

Was surprised at the lack of snakes between Baker and Barstow on the pavement. Probably one side under was seen, but couldn't be sure as when we went back it was gone.

Not a snake seen today, alive or dead.

Miles today 208.2 (and some of them pretty tough)

Miles for the trip to date 603.1

Apr. Wednesday 16, 1930

(April 18th Continued)

After arrival at Store pipe wells, I hunted with a flashlight but had no results.

The proprietor told me sidewinders were the only snakes to be found in the valley.

- 1 Arizona Small DOR Adelanto
- 1 Sidewinder L DOR Kramer Hills
- 1 " M DOR Kramer
- 1 Scutellus L DOR Atolia
- 1 Longnose M DOR Rademacher
- (also several tortoises along here).
- 1 Red Racer L DOR Little Lake
- 1 Sidewinder M DOR Cowan
- 1 Collared lizard DOR Darwin

The most disappointing thing in today's hunt was the lack of snakes in the rocks near Rademacher. I had great hopes for these.

1930 Thursday 17, Apr.

Recd today from Myers a small box from Escobedo.

Started on Death Valley trip at 2 P.M. this afternoon with family - a clear moderately cool day. Arrived at Victorville at 7 P.M. It was cool and comfortable. Miles in country 68. Riverside-S.B. County line 124.4. Total miles for the day 179.7

1 Boyles King M DoR Mission Valley

1 Calif garter M DoR Temecula

Was surprised at the lack of snakes today compared with a week ago.

After unpacking at Victorville we went up the road a short distance to a marsh. Many Hyla regilla were calling and a few were seen but none caught. Found one medium Calif. garter in the marsh; evidently they hunt at night.

Went up to the Mojave river just across the highway and hunted along the east bank. Many Hylas were calling here. Also heard the familiar Pine Valley trill ascribed to Bufo californicus. Could not believe they were here, but sure enough we got 4, 2 young and 2 adults. One was in the water, 2 on sand and one just emerging from sand. Looked for Bufo in the park (canavicus) but found none. Returned to hotel at 9 P.M.

Apr. Friday 18, 1930

This morning we started for Death Valley, at 8 A.M. A moderately cool day. Weiss and Chuck went with us. It was cool all through Mojave Desert and Indian Wells Valley but hot on arrival at Death Valley. Lizards were quite plentiful (particularly *Crotalus*) as far as Little Lake. From there on very few were seen, probably because of it being late afternoon. There was only an occasional *Uta*. It was cold crossing the mountain passes, but got quite hot as we descended into Death Valley. Darkness overtook us at the top of Panamint Mts. We arrived at Bungalow City (Storpy's Wells Hotel) at 7³⁰ P.M. 215.2 miles for the day. Total for the trip 394.9.

We hunted only at 2 points, first at the beginning of Kramer Hills where there is a fine outcrop of rocks. Lizards were OK but no snakes. Hades broke trouble at Randsburg which led to some delay. Second stop where we took lunch and hunted quite a while was in the fine rocky hills a short distance north of Rademacher. Always thought there should be rattlers here, but found none - and lizards were disappointing. Besides those collected (which will be found recorded in collection) I saw one magister, a few lizards were collected along the way and will also be found recorded in the collection.

(Continued on April 16)

1930 Saturday 19, Apr.

This morning was quite warm. We were ready to start at 8 AM but found that my battery had been overcharged the day before and was now shorted. It took quite a while to diagnose this case after much towing by Weiss. Finally borrowed an old battery which was just good enough to load the generator and so got the car started. From now until the end of the trip we had to keep the engine running during all stops or park on a hillside. This cramped our style considerably. Weiss had 2 punctures.

Finally got started at 11 AM. It was then quite hot. First stopped about 2 mi. south of the hotel and hunted in sandy hummocks surrounded by greasewood and mesquite. Never saw dips so common before as here. Every bush seemed to have one or more; could have shot a 100 in a half hour. Also there were a few whiptails (see specimen list) There were utas around the hotel, and maybe callisps.

Stopped at Furnace Creek Inn and had a light lunch (not in the Inn). Saw utas here. It was then so late we had to miss seeing the lower end of the valley. We then started out by way of Ryan and Shoshone, Baker and Yermo
(Continued on April 15).

Apr. Sunday 20, 1930

Started from Barstow for home this morning at 8⁴⁵. A little too warm for comfort.

Stopped at several points along the road to hunt especially near Wild, Helendale, near Orogrande and near Victorville in the rocky hill on the road to Lucerne Valley. Lizards were moderately common. The last named point was good for chuckles, whips, utas and collared lizards. Also saw one magister here; The only species seen and not collected. After leaving Victorville no more collecting was done. The tree Yucca country between Victorville and Cajon Pass looks good.

1 Sidewinder DOR L Lenwood.

1 Platyrrhinus Caught Hodge.

1 Salvadora DOR L Hodge.

1 Desert gopher DOR L "

1 Sidewinder Caught on M Wild

1 Scute DOR M Helendale.

1 Long nose DOR L Helendale (saved).

1 Arizona DOR M "

1 Sidewinder DOR L Bryan

1 Red Racer DOR L Orogrande

1 Salvadora DOR M "

(Continued on April 1)

1930 Monday 21, Apr.

Apr. Tuesday 22, 1930

1930 Wednesday 23, Apr.

Went out to see Abbott at Monte Vista and to La Mesa Rotary Club. Went out via Market St, returned via Broadway expenses: 30 miles.

1 small lateralis D.O.R. Chelosttts.

1 large Red Race, DOR Marion Park.

Apr. Thursday 24, 1930

Worked until 11 P.M. tonight pickling
and recording specimens. Got
almost up to date.

1930 Friday 25, Apr.

(April 27 1930 Cont.)

1 Spotted Mite L. DOR. 20 mi. E. of Yuma
foot of Gila Mts.

1 Platyrhines DOR. 18 mi. E. of Yuma.

Apr. Saturday 26, 1930

This afternoon started for Yuuma with the family at 2⁰⁵. A rather cool, windy day.

Did not stop on the way out except for a few moments at a reservoir near the canal where we hunted for toads but found nothing.

1 Medium Patch nose DOR 29.4 Alpine (Grades)
County line 86.6

1 Tremorphodon L DOR 93.1, beyond Myers
Creek Bridge. Sand on both sides of
the road.

1 Dip DOR 151.9

do 153.2 (midway Wells).

1 Gopher medium Caught crossing the road
just before 7 P.M. (quite dark) at 176.

State line at 183.5

Final miles for the night 206.8.

After getting the hotel rooms we went east about 10 miles and hunted on the Yuuma mesa, but got nothing. Also looked for toads under lights and at one place down the river. All blank.

Found the town much as you account Fox
Film with about 500 people engaged in filming
The Oregon Trail.

1930 Sunday 27, Apr.

Grant's Birthday

In the morning at about 8¹⁵ we started eastward to try the Gila Mts. It was warm (not hot) and rather breezy. Went to the end of the paved road (25.6 mi.) and then turned back to Yuma. Hunted at 2 points 24 mi. E. of Yuma in the Gila Mts and 14 mi E. of Yuma on the mesa. Did not see anything except specimens as recorded (2544-60). The dips are quite wavy. Noted that they raise up rather slowly both front and rear to go around. After a light lunch in Yuma started for home at 12.10

Yuma

51.2

Hunted in Sand hills for Umas at 68.3 and got quite a few. They act as usual. Started from here at 14¹⁵ P.M.

1 Dip DOR at 85.0

1 Gopher small DOR 97.0

In the neighborhood of Brawley and El Centro I passed up a couple that probably were dead snakes. - too much hurry. Broke down about 3 mi E. of Cogate Wells and came in by stage, arriving at 8³⁰. Heard *Hyla regilla* at Escanoso.

Picked a sidewinder tonight that contained remains of a ~~sidewinder~~ Uma and a Caterpillar

(cont April 25/30)

Apr. Monday 28, 1930

Spent the noon hour today going over Walker's specimens. He brought in amongst others 3 species new to San Diego Co. from Carrizo (Spring or Stage Station)

Crotalus atrox.

Pituophis catenifer deserticola

Sonora semiannulata episcopa.

Spent the evening trying to rescue Cook's specimens - many in bad shape from overcrowding.

1930 Tuesday 29, Apr.

Today at 8⁴⁰ we started for Ensenada - Raker, Fowler, Holloway, Weiss, Ayres, Beckham. Picked up Moreno at Tia Juana. & Cars. It was a cold day, cloudy and with some rain and mist throughout. No day for hunting snakes.

Had lunch at the halfway house. Did not try to hunt on the way but saw a number of likely locations particularly 4 1/2 mi N. of Ensenada.

1 large Boyles King D.O.R at Chula Vista

1 Small Gopher D.O.R at " "

After arrival at Ensenada we went on south to the edge of the Maneadero Valley, thence back to Ensenada and up the Ensenada Arroyo for about a mile. Here we hunted in the rocks for a few moments and found 1 *Colonyx*. *Xantusia* hunting was negative but this proves nothing as the weather was so poor.

Miles to Tia Juana 17, Total in Mexico for the day 87.8.

at Halfway House saw some rattleskins 4 Red, 1 Pacific, 1 *Mitchelli* all said to have been taken near here. One red had spots open on the side like *Mitchelli* *Molossus*.

Apr. Wednesday 30, 1930

Started back from Ensenada at 9³⁰ A.M. a cold rainy day. The road was very slippery in places. Got stuck once and had to put on chains. Got to Tia Juana at 1²⁰ where we stopped for lunch. It was raining hard. Miles from Ensenada to home 83.8. In S.D. Co 17.

Picked up a spotted night hawk DOR at Descanso Pt. Saved this specimen. 1 Arizona L DOR at Tia Juana.

1930 Thursday 1, May

Went out El Cajon ave tonight in a heavy rain but no toads were to be seen. One was hopping across the street opposite Wangs.

May Friday 2, 1930

Milked many rattlers this noon, particularly reds.

Helped outfit both Walker and Myers today.

Milked some second hand snakes not milked for 3 weeks and as usual got very little. Have about concluded this is a waste of time with our system.

Noted an S.D. Co Oreganus today 4'3" long by careful measurement.

1930 Saturday 3, May

Had expected to try the Blythe trip today but it was cold and rainy and so gave it up. Got considerable done in the basement putting away specimens etc.

May Sunday 4, 1930

A cold day with plenty of
intermittent rain. Spent the day
working on specimens.

1930

Monday 5,

May

May Tuesday 6, 1930

- (June, Continued)
- 1 gopher S Date City (elevated)
 - 1 gopher L DOR El Centro
 - 1 Whiptail Coyote Well DOR.
 - 1 Gopher L DOR Boulevard
 - 1 Cal Racer L " La Posta
 - 1 " " M " "
 - 1 Boyles King L " Lemon Grove.

Arrived at 6¹⁵ P.M. Miles for the day
183.3 In S.D. County 87.

On the whole the day was disappointment. It was ideal as to weather and should have developed more specimens, particularly DOR.

1930 Wednesday 7, May

Went to San Francisco this
noon on business.

May Thursday 8, 1930

Saw Devin for a short while this
afternoon.

1930

Friday 9,

May

Returned from San Francisco this
noon.

May Saturday 10, 1930

Did not go out today for several reasons: weather had been cold all week even in the desert and there was small chance to catch anything; Philip wanted to go to Zeae party; page proof of atrox paper was ready.

Put in a couple of hours on specimens and the balance of the time on the page proof. This was the 2nd page proof in the first half and the first page proof of the balance. Worked on this nearly all afternoon and then until midnight. Went through it twice x

1930 Sunday 11, May

Went out for a ride today with Philip. Intended to go to De Luz but found a bridge out. A moderately cool clear day after a cold week. Some snow still in evidence in the mountains.

Escondido, Fallbrook, Live Oak Park, Pala, Rincon, Henshaw Dam, Santa Ysabel, Ramona, Fletcher Hills 166 miles.

Stopped only at one point, between Bonsall and Pala and hunted for a few moments. Saw one Orcuttia here.

Started at 9⁴⁰, returned at 4⁴⁰.

A good many lizards were seen on the road.

1 long nose large	DOR	at Rosedale
1 Cal. King large	caught on	at Vista.
1 Inlandis med	DOR	Bonsall.
1 Cal. Garter med	"	"
1 Boyles King L.	"	"
1 Cal. Garter M.	"	Fallbrook
1 long nose L	"	"
1 Gopher S.	"	"
1 Cal Garter M	"	6 mi W. of Pala.
1 Gopher S	"	Ramona
1 " M	"	"
1 Cal. Racer M	"	lakeside

May Monday 12, 1930

Recd today from Meise a small
ring neck from Encanto.

1930 Tuesday 13, May

Went out to the El Cajon Rotary Club today to make up. Out via Broadway extension, back via Fletcher Hills. A clear, cool day.

- 1 Gopher large DOR Cholla Hills
- 1 Boyles King large DOR " "
- 1 Longnose large DOR Hillside.

Sent away today 4 *Crotaphytus collaris* from Pilot Knob, Imperial Co.

May Wednesday 14, 1930

Packed specimens for shipment.

Atrax paper finally went to
press today.

1930 Thursday 15, May

(Saturday May 31 Continued)

- 1 Sonora DOR 1 mi N. of County line
- 1 Uta *graciosa* do
- 1 Sonora DOR San Felipe Wash.
- 1 *Coleonyx* Caught? Dead "
- 1 *Sedwida* S. 1/2 way bet Kane Spring and Westmoreland. Caught alive
- 1 *Coleonyx* Caught on Midway Wells (3 mi W).
- 1 *Sedwida* L DOR " "
- 1 " M " Grays Well.

Yuma (Cal side) at 12:30 AM.
Miles for the day 379.4

May Friday 16, 1930

Pickled specimens.

Had a long nose found run over on the road at La Mesa. Couldn't save it.

Tonight I heard the call of *Bufo cognatus* from specimens in my basement. While there was some resemblance to *Bufo californicus* yet it was much less musical; more of a chatter, less of a trill. This *cognatus* sound is what I heard at Yuma.

1930 Saturday 17, May

Did not go out today as it appeared useless. It had been cold in the back country for several days with some rain. Also cold on the desert.

Pickled some specimens, shipped a few, milked all the rattlers available at the zoo - and cleaned things up in general.

May Sunday 18, 1930

Today was a clear ^{Peace Day} cool day with some breeze. Everything quite wet in the back country after a rain yesterday and a week of cold weather.

Went to Tacumba with Nell, Allan Paul Wormser and the kids. Started at 9¹⁵ A.M. and returned at 5⁴⁵. Went out via Broadway extension and returned by way of Fletcher Hills. Had lunch at Tacumba. Hunted for about an hour in the rocks beyond Tacumba before lunch and west of Tacumba after lunch. Got a few lizards of the usual species. There were not many mt. snakes were few and far between as a result of the weather.

1 Gopher small DOR Alpine

1 Calhoun large Dead off of road Tacumba

1 Gopher large DOR Fletcher Hills.

Total miles 161

1930 Monday 19, May

Went to Los Angeles this afternoon.
A clear warm day. Started at 2³⁰;
Arrived about 6 P.M.

Miles in San Diego County 63.

- | | | | | |
|---|------------------------|---|-----|------------|
| 1 | <i>M. lateralis</i> | L | DOR | Old Town |
| 1 | <i>P. c. annectens</i> | L | " | Morena |
| 1 | <i>M. f. frenatus</i> | L | " | " |
| 1 | <i>P. c. annectens</i> | M | " | Oceanside. |

May Tuesday 20, 1930

This morning I spent about $\frac{1}{2}$ hour looking over Weinberg's collection. He is still in Mexico but Mrs. Weinberg showed me around. They have a number of good things including a worm snake from Arizona, several Sonoras, a good series of rattlers etc. but as usual nothing definite is known concerning the localities. Saw a Sonora (from Palm Springs?) with brown bands on a white background and no red or yellow.

At noon I got several specimens from Colburn.

In the late afternoon I spent about 15 minutes at Tex Schubach. He had the usual collection of rattlers - many atrox and scutes. Also some from San Diego County. He had some nice racers, particularly blacks and reds from Arizona and one particularly was black anteriorly (solid) and had a red posterior half. So in Arizona the two forms are not definitely separated.

Returned to S.D. at 7⁴⁵ P.M. Count only 30 miles in the County.

1 Boyles King	L	DOR Laguna Beach.
1 Red Racer	L	" Para Point.

1930 Wednesday 21, May

Cook returned from Bard today. Old Max in pretty bad shape. He brought quite a good collection. But nothing very unusual.

Walker sent in specimens to the Zoo today. Nothing exciting.

Athox paper came off the press today.

Pickled specimens until 10⁴⁵ tonight.

Hevin phoned from L.A. this evening he would be down tomorrow night.

May Thursday 22, 1930

Slewin arrived tonight.

Cook worked in basement all day.

(May 25th Continued)

1 Longhose	M	D OR	March Field, Seward
1 Tremorphodon	M	"	5 mi. S. of Riverside
1 Red Racer	L	"	3 1/2 " " " "
1 Gopher	L	"	Perris
1 Red Racer	L	"	"
1 " "	M	"	3 1/2 mi S.W. of Perris
1 gopher	M	"	Elsinore
1 Red Racer	L	"	Murrieta
1 Gopher	S	"	"
1 " "	S	"	Temecula.
1 Cal. Racer	L	"	Bonsall
1 Gopher	L	"	Vista
1 Longhose	L	"	Bernardo.
1 " "	L	"	Mission Valley

1930 Friday 23, May

Took movie with Slewin at noon today.

Cook worked in basement all day.

Saturday May 24th Continued.

1 Sidewinder S. DOR ^{Tule Wash} Arroyo Grande.
(Very windy here).

1 Sidewinder L DOR Arroyo Salada.

1 " M alive but damaged. Died

later. Saved spec. Fish Springs.

(County line 185.8)

1 Sonora L DOR 6 mi S. of Coachella (Saved).

1 " L " 5 " " " "

1 Gopher S " 4 " " " "

1 Sonora L " Indian Wells "

1 " L " 10 mi. S.E. of Palm Spr. "

1 Sidewinder S Caught on 9 mi " " " " "

1 Phyllorhynchus^L DOR 8 mi " " " " "

1 Sidewinder S DOR 4 mi " " " " "

1 Arizona M DOR. 2 mi NW " " " Saved.

1 " L DOR. Whitewater

1 Sidewinder M DOR. 5 mi E. of Calaveras

On this day Cook noted an

Oreganus DOR 6 mi E of Lake Henshaw
= hopettii.

May Saturday 24, 1930

Today I went out on the desert with Alvin starting from San Diego at 2 P.M.; and arriving at Banning at 12³⁰ A.M. It was cool in town and hot on the desert - but we did not get to El Centro junction until about 6 P.M. so it was reasonably cool. Had supper at Westmoreland. Route taken Broadway Extension, Spring Valley, Grossmont, highway to El Centro Junction, thence via highway to Banning. Miles in San Diego County 85.7. Total miles 258.0. Did not hunt any place. The wind was very bad at times, not bad at others. Was particularly bad up to 9 P.M. and also in San Jorgonio pass.

Lost only one snake, an unknown north of Westmoreland.

1 Gopher M DOR Chollas Hts

1 " L " Alpine

1 Cal Racer M " Descanso

1 Arizona L " Jucumba

(Left Westmoreland at dusk - about 7 P.M. quite windy)

1 Sidewinder L Caught on 1/2 way bet Westmoreland & Kane Springs

1 Sidewinder S. DOR Arroyo Grande

1 " S " " "

(Saved this one) Continued to May 23^d

1930 Sunday 25, May

Started with Slevin from Banning at 8³⁰ this A.M. A moderately warm day in Riverside and the interior - cool at San Diego.

First hunted in some rocks near Moreno, Riv. Co. Got a Coleonyx and S. orcutti.

Went in to Riverside and then partway up Mt. Rubidoux but the rocks did not look good - hard and no flakes - so did not hunt.

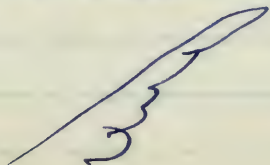
Hunted a short time 4 mi. W. of Perris. Got a few lizards including horned toads alive. The rocks are hard and poor.

Hunted 7 mi S.W. of Perris near Good Hope mine. Here the rocks are better with some flakes, but no Xantusias were in evidence. Had lunch at Elsinore.

Stopped to take movies in boulders south of Lake Hodges and worked with a red rattle over an hour until something went wrong with the camera.

Reached home at 4¹⁵. Total miles 158.7. miles in the county 68.

For snakes checked see May 22nd



May Monday 26, 1930

Recd today

- 1 Boyle's King al may Flinn Spr.
- 1 Gopher hat Hist not known.
- 1 Cal King (mixed) hat City
(Record Dept).

Devin worked at the zoo today
with movie's but had more camera
trouble. I did not work
with him.

1930 Tuesday 27, May

Went to Los Angeles today, by train. Returned at 11 P.M.

(Continued from May 29th)

Cook's DOR Record from the same day was as follows:

- 1 Patchnose M. DOR Top of Mt. Spr. grade.
- 1 Arizona M DOR Oasis
- 1 Rattle? DOR Top of Mt. Spr. grade.

(These specimens were seen).

- 1 Sidewinder DOR 5 mi W. of Westmoreland
- 1 Garter DOR 6 mi E. of Jacumba.

The *Uma notata* which Bogert got near Whitewater are white as to background, not cream as in the sand hills. Also got *Dipsosaurus* here.

Bogert's boys picked up a red racer 2 mi. W. of Shaver's Well and 1 gopher 25 mi. W. of Blythe. Also a Sonora DOR 10 mi. W. of Blythe.

May Wednesday 28, 1930

Helped Alvin this noon with
moves.

Cook today reported the following
dead snakes.

5-12 *Pituophis sayi affinis* (or *deserticola*)
3 mi W. of Yuma.

C. cerastes 1 mi. W. of Highway
maintenance (Sand Hills).

C. cerastes. 4 mi. W. of Gray's
Well.

P. platyrhinos (Sand Hills).

5-17 Red Racer - Tacna Arizona

5-21 Garter. Flynn Springs.

5-2 *C. atrox*. Gila Valley, near Gila Mts.
C. cerastes Yuma desert.

Heard today from Bogert of a
Salvadora caught as Snake.

1930 Thursday 29, May

Recd a shipment today from Weinberg at Nogales, both dead and alive.

(Friday May 30th Continued)

- | | | |
|--|---------------------------|------------------------------------|
| 1 Red Racer | L DOR | Lakeview |
| 1 Gopher | M DOR | " |
| 1 " | L DOR | Fleming Springs |
| 1 Cal. Racer | M DOR | alpine |
| 1 Gopher | M DOR | Buckmans. |
| 1 Garter | L DOR | La Posta |
| 1 Gopher | M DOR | Boulevard. |
| 1 Gopher | L DOR | " |
| | County Line | 86.8. |
| 1 Arizona | L DOR | Plaster City |
| 1 Gopher | S DOR | Dixieland |
| 1 Gopher | L DOR | Bull's Head Plough. |
| 1 Gopher | L DOR | Seeley |
| 1 Red Racer | L DOR | El Centro (Fields both sides) |
| | El Centro | 123.0 |
| 1 Gopher | L DOR | Imperial |
| 1 Gopher | M DOR | West morland (4 mi. W. cultivated) |
| 1 Red Racer | L DOR | 7 mi W. of " , Semi. cultivated. |
| 1 Gopher | L DOR | Kane Spring |
| | Kane Spring | 159.9 |
| 1 Arizona | M DOR | Kane Spring |
| San Felipe Wash 161, Seaview Sta, 166.9, Campbell Wash 169.6, | | |
| Tule Wash 170.8, Arroyo Salada 172.5 Truck Haven 175.4 | | |
| Fish Spring 183.5, County Line 185.9, Oasis 189.5, Mecca 194.4 | | |
| Shaver's Well 211.5, Desert Center 243.4, Blythe 292.0 | | |
| 1 Gopher | L Caught on Road | 17 mi E. of Shaver's Well. |
| (Very light color) | | |
| 1 Platyrhinos | 23 mi E. of Desert Center | |
| 1 Collisaurus | 24 " " " | " |
- (Continued on May 27)

May Friday 30, 1930

Today went to Blythe with Slewin and Philip. Started 9¹⁵ A.M. It was very cold from San Diego to the mountains. Warmer from there on but windy. Warm but not hot at El Centro where we had lunch. We reached Blythe at 7³⁰ and had supper. The country from Shaver's Well east to Blythe is much like the Mojave. All the way from West morland to Blythe it was cool and very windy. Somewhat less so in the river valley of the Colorado.

After supper we drove east to the toll bridge and saw 4 large atrox taken on the Arizona side. We then turned back westward and drove along the highway for about 30 miles. But it was so cold and windy that we got nothing although Bogert got a Sonora and Cook a Phyllorhynchus.

Made camp 10 miles west of Blythe, turning in at 10³⁰. Total miles for the day 346. Miles in San Diego County 86.8.

On the whole the day was quite disappointing on account of the weather.
(Continued Thursday May 29)

1930 Saturday 31, May

Today we broke camp at about 7⁴⁰ and started westward. It was warmer than the day before but somewhat windy. The day got better later and was ideal in the evening.

1 Whiptail 18 mi. W. of Blythe

1 Sonora DOR 20 " " " "

1 " " 22 " " " "

Hunted for a while at 18.5 (28 miles W. of Blythe). Here Slevin lost a red racer. We got collies, dips, whips and *uta* *graciosa*.

Uta stansburiana 45 mi. W. of Blythe

Collies, utas, (*graciosa*) dips 47 mi. W. of Blythe

1 Sidewinder L DOR 17 mi. W. of Desert Center.

Platyrhinos 10 mi. E. of Shaver's well.

Also Collies and Dips were noted here.

Bogert got a leopard lizard 1 mi. E. of Desert Center. After eating near Shaver's Well we whiled away the afternoon being too tired to hunt much. Went down to Fish Spring then back up to Indio via Mecca. Started south from Indio at 6⁴⁰ P.M. a fine night but for some reason collecting was very poor.

(Continued on May 1st)

June Sunday 1, 1930

Started from the California side at 9 A.M.
 A good warm day with little breeze.
 First drove to the bridge 1.5 miles and
 had breakfast.

Saw whips and a skelly (probably
 magister) in the river bottom 5 mi. W. of the
 bridge, but did not collect.

Stopped at the bluff 6 mi. W. of the
 bridge and hunted for a short time. Collected
 Dips and Uta stans. Saw whips but did
 not collect. Callisaurus 13.3 W. of Yuma.

Next hunted until noon in the sand
 hills 16.1 mi. W. of the river. Worked too hard
 here and tired myself out. Collected Umas,
 Uta graciosas and 1 dep. Noted that
 the Umas bob their heads. Also often run
 in a small circle.

1 *Ptychocheilus* 9.8 mi. W. of River

1 *Callis* 11.3 " " " "

1 " 13.3 " " " "

1 *Dep* 22.8

1 *Leopard L.* 25.2

1 *Dep* 28.5, 30, 35.5, 41.2

Dips were very plentiful for 10 miles west
 of highway well.

(Continued on May 6)

1930 Monday 2, June

Milked rattlers this noon. Handled a large number but got little venom.

Gander gave me today a Western Yellow Bellied Racer from Old Town. Very dark in color.

Quail brought in today a fine series (4) of Oreganus from South Island (Coronados) Also some lizards.

Slewin is leaving for S.F. tomorrow. Had a visit with him this afternoon.

Cook today gave me the following DOR list. His identifications are OK.

Dipsosaurus $5\frac{1}{2}$, $6\frac{1}{2}$, 9 and 11 miles N.W. of Indio
Calyp Whitewater and 3 mi. W. of Whitewater.
P. blainvilliei Elmore and 1 mi N. of Temecula

Red Racer 5 mi. N.W. of Indio

Sonora occip. 7 " " "

" " 10 " " "

" " 11 " " "

" " 16 " " "

Red Racer 1 mi. W. of Cabazon.

Long nose Banning

Red Racer Beaumont

Long nose (2) 1 mi W. of San Geronimo Pass

Red Racer 2 mi " " " "

Boxer King $1\frac{1}{2}$ " E of Moreno

Oreganus 5 " S of Riverside

Calif King C. Kearney mesa.

Gander Mission Valley

June Tuesday 3, 1930

Saw yesterday a large shed gopher
snake skin from South Colorado Island.

1930 Wednesday 4, June

I today heard from Bogert who gave me the following locality records.

1 Arizona DOR 14 mi N. of Oasis

1 " " 1 " S " Indio

1 " " Cabazon

Uta mearnsi Palm Canyon

Sceloporus orcutti "

Uta stansburiana "

Sauromalus obesus "

Dipsosaurus dorsalis "

Hyla arenicolor "

Uma notata 10 mi N. of Palm Springs

Callisaurus draconoides "

Dipsosaurus dorsalis "

Coleonyx variegatus 10 mi E.
of Mohave Walker.

June Thursday 5, 1930

Today I went to the meeting of the Herp. Soc. of Calif. in L.A. with Philip. Started at 3⁵⁰ arrived at 7⁵⁰. A clear warm day - the first hot day of the season. Took up a dozen specimens of my own to show.

1 Red Racer DOR L Moreno

1 Gopher DOR L Oceanide.

1 Red Racer DOR L Galvan.

miles inside of county 61.5.

A number of good specimens were on exhibit. Cannon gave me 5 rattlers which will be entered through zoo list, and Bogert gave me a number of good things which will be entered through collection list.

Hayes had an exhibition of *Uro* and 2 (apparently) *Basiliscus*; localities said to be the following:

Uro Guaymas

" 1/2 way bet Guaymas & Hermosillo

Basiliscus

do (no doubt) molossus

The *Basiliscus* look like *Molossus* except that the forward ~~shaped~~ blotches are not opened and extended laterally.

1930

Friday 6,

June

Returned this morning with Philip
from Los Angeles - a hot day. Started
at 7³⁰ arrived at 11³⁰

1 Red Racer M DOR 11 mi N. of Capistrano

1 Patch nose L DOR Del Mar

1 Gopher M DOR La Jolla (7 Pts)

1 Gopher L DOR Pacific Beach

61.5 mi in County

June Saturday 7, 1930

Worked in the basement tagging
cataloging etc.

Read today Miss Stull's Key
to Western Pteridophytes. Geographically
it certainly is a puzzle.

1930 Sunday 8, June

Worked in the basement tagging,
cataloging etc.

June Monday 9, 1930

The following records are ok. may not appear in other lists.

Chuckawalla Stewart Spring, Grapevine
Canyon

Bufo can. halophilus
Hyla regilla
Hyla arenicolor
Bufo californicus
Rana aurora draytonii

San Vicente Creek toward
Padre Barona.

Received today from Woodbury for
examination, the type specimen of
Crotalus concolor.

1930 Tuesday 10, June

Went to Agua Caliente with the NELA Red Special crowd.

15 miles in country.

1 Gopher L DOR S. D.

1 Red Racer L DOR Otay

1 Banded Racer L DOR Otay.

Saw two other snakes DOR between Tijuana and Agua Caliente but could not stop. Saw a small B. c. halophilus in Agua Caliente gardens.

Good cool part cloudy day.

Cook today gave me the following D.O.R. list. This may be used for annual tabulations and locality records, but not trip list.

Red Racer 2 mi E. of Escondido

C. oregonus 5 " " "

Red Racer 6 " " "

Gopher 7 $\frac{1}{2}$ " " "

Car King 7 $\frac{1}{2}$ " " "

Arizona 3 " S.W. Ramona.

Boa 5 " "

H. Todd 7 " "

Gopher 2 " N La Mesa

6-8-30

Car King 1 mi. E. of Dulzura

Boa 3 " " "

C. ruber 5 6-9-30 " " "

Boa 13 " W of Campo.

Bufo c. h. 5 " W " Japane

Gopher 4 " E " Robson

June Wednesday 11, 1930

Gila monster records from J.A. Rohrer

North of Congress, Ariz
bet Piedmont and Date
Kirkland
Skull Valley.

1930 Thursday 12, June

Worked tonight on museum catalogue

June Friday 13, 1930

Milked rattlers this noon. Quite a few specimens, but didn't get much.

Noted today a large mitchellii from the SD & A recorded as being from Wickenburg

1930 Saturday 14, June

Tagging and ^{Flag Day} cataloging today.
Checked type specimen of
Woodbury's *C. concolor*.

June Sunday 15, 1930

Taggings and cataloging this morning. Everything up to date, filed and stored except Weinkers pickled material on which I haven't received locality data yet

To NELA convention in San Francisco by train in the afternoon.

Read today from Road Camp at Yagui Well, a Phyllodactylus tuberculosis. Sent to Walls and therefore entered here as a record

1930 Monday 16, June

In San Francisco.

Spent 2 hrs. in Berkeley this
afternoon checking Imperial County
specimens. Dr. Grinnell was not in.
Saw only Hall.

June Tuesday 17, 1930

In San Francisco.

Bunker Hill Day

Got Imperial County records from
the Academy.

1930 Wednesday 18, June

In San Francisco.

Saw Stern's movies.

June Thursday 19, 1930

In San Francisco

1930 Friday 20, June

In San Francisco

June Saturday 21, 1930

Returned from San Francisco on
the noon train.

Cook's DOR list June 22nd + 23^d

includes nothing he saved.

R. lecontei	3 mi. W. of Bostonia	6-18
P.c. annexus	5 mi. E. of Ramona.	6-18
Red Racer	5 mi. W. of Seeley	6-22
Gopher	4 " E " "	
"	4 " E " "	
"	6 " E " Holtrille	
Dip	10 " E " "	
Platyrrhinus	17 " E " "	
M Calli	19 " E " "	
Dip	19 " E " "	
Calley	$\frac{1}{2}$ mi E " Midway Well.	
Uma	5 " E " "	
Calley	$\frac{1}{2}$ mi " " Gray's Well.	
Uma	" " " "	
C. cerastes	6-23 14 mi W. of Yuma	
"	4 " W of Gray's Well	
"	4 " W " Midway Well	
"	6 " " " " "	
Dip	7 " " " " "	
C. cerastes	1 " W " Dixieland	
P.c. deserticola	3 " " " Seeley	
Dip	2 " " " Dixieland	
alligator	Banner Grille	

1930 Sunday 22, June

Went out to Mission Valley with
Slevin and took some ~~time~~ photography
sidewinders and a stephensi.

Went up Murphy Canyon to highway
thence back via 6th St.

25 miles.

1	<i>M. lateralis</i>	M.	DOR	Murphy Canyon
*	1	<i>L.g. boylii</i>	L DOR	" "
1	<i>L. californiae</i>	L	DOR	Mission Valley

Contained a medium *C. c. oregonus*;
at least one maybe more.

June Monday 23, 1930

Took movies this noon of milking
& rubbers with Rlevin.

Recd today from Walker & Oreganus
and 1 Tantilla pickled. Probably
will not be reported through zoo list.

Recd today from R.M. Perkins the
following atrox records from Arkansas.
Central Arkansas near Conway
Piggott, Arkansas

Recd the following records from Bogert.
Rhinocheilus, Hyspigelena, Arizona
and Palvadora, Upper end of Mint Canyons,
Los Angeles County.

Red Racer today laid eggs in captivity.

Today Recd from Fields skinks and S.g. Vandenberg
from Laguna.

Today Walker brought in from Montezuma
Uta stans, Uta micro, S. o. bisenatus,
From Mt. E. of Foster X. henshawi and
E. skiltonianus.

1930 Tuesday 24, June

Saw today a combination King
of peculiar markings. Very dark brown
above and below. Markings were both
Boyle and Calif. types and were
so dark as to be almost imperceptible.
Said to have been taken in Los Angeles
County.

Recd today from Floyd Baker
a small oregana from San Marcos.

June Wednesday 25, 1930

Today helped Alvin take movies this noon.

Cook returned from the desert with quite a good collection of material.

Record Dipsosaurus Barrett
Canyon, Imperial Co 6-19-30.

1930 Thursday 26, June

Heard today from Bogert of his finding two *Phyllorhynchus* in the Mojave Desert. One between Barstow and ~~Needles~~, Daggett; one 3 mi. S. of Needles.

June Friday 27, 1930

1930 Saturday 28, June

Tagged specimens.

June Sunday 29, 1930

Went out to Cuyamaca to get Philip. Started at 10¹⁵ AM. Cloudy in town; hot and clear in the back country. Had trouble with ignition a little south of Julian. Walked back and got towed back. Gg came out in the coupe and we went on to Camp Fletcher. Returned to San Diego about 7¹⁵. Out by Fletcher Hills, returned by La Mesa. Total miles 142.

- 1 Garter L DOR Alvarado Canyon.
 - 1 Turtle seen alive in pond.
 - 1 Boyles King M. El Cajon
 - 1 Gopher L seen alive bet. Cuyamaca and Julian (about half way). Couldn't stop with a car immediately behind. This car ran over it.
 - 1 Calif. King L 1 mi. S. of Julian DOR.
 - 1 Gopher L caught alive at Outherland.
- This at 5⁵⁰ P.M.

1930 Monday 30, June

Recd today from Kobles a Red Racer
Large, Rose Canyon.

Cook's D.O.R. List.

Boyle's King	La Jolla	6-13
Gopher	Las Flores	6-13
Horned Toad ^{Gopher}	7 mi. N. of Capistrano	6-13
Horned Toad.	3 mi W. of Wineville	6-16
Red Racer ^{Horned Toad}	March Field	6-16
Red Racer	Elsinore	6-16
do	Murietta	6-16
Boyle's King	Vista	
S.o.b.	Lakeside	6-24
Calif. King	El Cajon	6-29
Comm. Toad	Lemon Grove	6-29.
Calif. King	Monument ^{Oreanta}	6-29
Red Racer	San Ysidro	6-29

July Tuesday 1, 1930

Walke, brought in today an Anniella
from Culp Valley (East of Montezuma)
Reed & jaw of reptiles from
the Melling Ranch, Lower California.

1930 Wednesday 2, July

Milked rattlers today.

Noted in a lot of 11 *Uta microscutata* from Culp Valley that all had yellow or orange throats. 10 seemed to be males (dark and with blue bellies); these had orange throats with a yellow spot at the center. The other was lighter with a yellow throat.

July Thursday 3, 1930

The Bancroft expedition returned today with what looks like a good collection.

Recd today from Myers from Red Mt. Ranch, a *Diagonodon* (DoR) and a *Ruber* head.

1930

Friday 4,

July

Independence Day
Worked all day mostly in the Bancroft
collection and on miscellaneous
cataloging and tagging.

July Saturday 5, 1930

In the late afternoon went out to
Ernstung's, Bostonia. 19 miles, nothing
seen.

Worked on records in the afternoon.

1930

Sunday 6,

July

Talked for two or three hours this morning with Cook and Walker about the coming Arizona trip.

Worked the balance of the day in tabulations

July Monday 7, 1930

Walker to start for the Huachuclas
today.

Bancrofts to dine tonight.

1930 Tuesday 8, July

Cook getting ready to start today.

July Wednesday 9, 1930

Cook started today.

1930 Thursday 10, July

Showed collection to Dr. Charles Martin

Locality record from Walker.
2 gila monsters 12 mi South of
Florence, Ariz

July Friday 11, 1930

Director's meeting Natural History Society.

Adamanteus records from Roger Conant.

Eureka, Marin Co, Fla.

Rattlesnake Key, off Gulf Coast
at Terra Ceia, Manatee Co, Fla

Ruskin, Hillsborough Co, Fla.

Beaufort Co, S.C. 2 mi N. of the
Ga. Boundary, Highway #17

1930 Saturday 12, July

Went out to Cuyamaca today to get Philip. A hot day in the back-country. Went out via Coyacur and the highway; returned via Julian and Fletcher Hills.

125 miles

1 Boyle's King Small DOR Cuyamaca
(2 mi S).

1 Long nose L DOR Witch Creek

1 " L " Fletcher Hills

1 " M " " "

1 Red Racer L " " "

July Sunday 13, 1930

Tagged and put away specimens
A hot day.

Spent the afternoon and
evening making entries in the
Natural History Society Ledger.
Got as far as 13729 which is
as far as Cook has tagged
specimens. (Couldnt finish -
hand gave out).

1930 Monday 14, July

A hot day. Max temp 89

Went to La Jolla for a beach
supper. 12 miles.

Near Bird Rock (before going under
RR) saw a large gopher run over
by a light car going in the opposite
direction. It squirmed violently
and succeeded in getting up the
bank but was evidently badly hurt.
This was about 6¹⁵.

July Tuesday 15, 1930

Worked up museum Catalog
tonight as far as Cook had
tagged.

1930 Wednesday 16, July

July Thursday 17, 1930

1930 Friday 18, July

Recd today from Walker and Cook,
Lepadus, pricei and willardii

Dictated today first draft of
the introduction to the "Reptiles of
Imperial Co"

July Saturday 19, 1930

Worked on color notes on *lepidus*,
pricei and *willardi*. Also *smileyi*
from Bancroft collection

1930 Sunday 20, July

Worked up Snattless g Bancroft
Collection; Pickled about 15 specimens;
worked on auto trip statistics

July Monday 21, 1930

This was a good day for rattlers
from Santa Fe

2 Pacifics from gleed

1 " from Iron Spring

3 Atrox from Hillside

Also a large basiliscus from
Sinaloa (Capt. Rose of SP).

1930 Tuesday 22, July

Photographed willardi, and
pricii today.

The following are Walker's records
of Terepene ornata, specimens
placed in Zoo stock

Fairbanks July 11 1930

2 mi. E. of Hereford July 17 1930

10 " W of Fairbank July 11 1930

July Wednesday 23, 1930

1930 Thursday 24, July

Photographed pricei and lepidus

July Friday 25, 1930

Lunched with Grant & Quayle

1930 Saturday 26, July

Miscellaneous recording & checking

July Sunday 27, 1930

Miscellaneous checking and
recording. More in the evening.

1930 Monday 28, July

Milked rattlers this noon.
Worked over 7 species.

Walker got 2 red racers at St. David,
Ariz July 11th. Deep red. Put in
Zoo stock, so entered here for locality
record.

July Tuesday 29, 1930

Went to El Cajon and Santee
via Fletcher Hills to look at
lines. A hot day in the back
country. Returned by way of Mission
Gorge.

1 Boyle's King	L DOR	El Cajon
1 Garter	L DOR	Grantville

37 miles.

1930 Wednesday 30, July

July Thursday 31, 1930

1930 Friday 1, Aug.

Aug. Saturday 2, 1930

Spent the afternoon pickling specimens.
Made some live color notes.

1930 Sunday 3, Aug.

Pickled rattlers and miscellaneous snakes. Worked all day. Everything cleaned up to date except rattlers waiting to be milked over at the Zo., Of course this does not include the Bancroft collection not yet worked up.

Aug. Monday 4, 1930

In the afternoon went over the El Cajon Esccondido line. Went out via Fletcher Hills, Santee; then via Murphy Canyon to Poway Camp and home via Chester ton and 6th St Extension. A cool day. 68 miles.

1 garter hage DOR Mission Valley.

1930 Tuesday 5, Aug.

Milked rattlers this noon.

Aug. Wednesday 6, 1930

1930 Thursday 7, Aug.

Aug. Friday 8, 1930

Localities not necessarily
represented by specimens in the
collections

Collared lizard

Gila monster Hillside Ariz

Red Racer Ramsey Canyon

1930 Saturday 9, Aug.

Spent the afternoon pickling rattlers.
Completed 3078-3105 incl.

Traded for a second hand Cad.
model 314

Aug. Sunday 10, 1930

Spent most of the day pickling specimens. Altogether in the past 2 days 60 rattlers have been added to the collection. I find that the new scheme of removing and expanding the pens takes considerably longer than the old scheme of merely tying off.

As of this date everything is pickled except 4 rattlers (1 *tigris*, 1 *mutch*, 1 *pricei*, 1 *willardi*) & gophers, 3 weasels and a miscellaneous lot of lizards from Harry Jones.

Am beginning to feel the alcohol shortage. Only 9 gallons left.

1930 Monday 11, Aug.

Aug. Tuesday 12, 1930

Went to Panteo and El Cajon to
look at lines and substations;
out via Fletcher Hills back via
Broadway. A cool day. 41 miles.
1 Red Rock L DOR Cholla Hts.

1930 Wednesday 13, Aug.

Aug. Thursday 14, 1930

Cook returned from Arizona today.

Here is his report of road specimens.

- July 9 Alpine Gopher DOR.
 9 Boyle's King DOR Pine Valley
 9 Pacific Rattle DOR Mt. Sprungs
 9 " " " " "
 9 Desert Gopher " 4 mi. E of Holtville
 10 " " " Summit of Gila Mts.
 10 Arizona elegans " Tacna.
 11 Long Nose " 10 mi. NW of Casa Grande
 17 Lampyropeltis getulus — DOR Hereford.
- Aug 12 B. alvarius Sahuarita
 12 C. scutulatus 6 mi. N. of Sahuarita
 12 C. ventralis 10 mi. S. of Sentinel
 13 Desert Gopher Holtville.

1930 Friday 15, Aug.

Milked rattlers this noon

Aug. Saturday 16, 1930

Spent the entire afternoon
preserving rattlers.

1930 Sunday 17, Aug.

Spent the day preserving rattlers.

For locality record Atrax
7 mi. South of Florence, Ariz. Walker.
Arrived dead. Desert tortoise large,
Mineral Mt, Ariz.

Aug. Monday 18, 1930

1930 Tuesday 19, Aug.

Dr. Mosauer called today.
Very interesting visit.

Prepared to go to the Hopi Snake
dance but had to call it off
a/c of business.

Went to Santee and Bostonia.
El Cajon Rotary Club. A moderately
warm day. 42 miles. Nothing
seen.

Aug. Wednesday 20, 1930

1930 Thursday 21, Aug.

Walker told me that his Sabine Canyon Tiger was found at 9 P.M. in a rocky wash. It was raining at the time.

Aug. Friday 22, 1930

1930 Saturday 23, Aug.

Went out to Boulder Park just beyond Jacumba today to meet Gloyd & Smith. Started at 8³⁰ got there about 11³⁰. Hunted around Boulder Park for a while (in Imperial Co as I now know) and got *Xantusia henshawi*, *Uta stans*, *Uta microscute* and a brood of *Sceloporus magister* (all in one bush). Went to Jacumba for lunch. Came on a hard rain with thunder. Then to town. Home at 5³⁰. Sultry.

- 1 Gopher small DOR Terrinites
 - 1 *Oryzomys* L live oak Spring's DOR.
 - 1 Ruler M DOR Jacumba.
 - 1 Unknown lost crossing the road at Flinn Spring's. Small probably garter.
- 160 miles.

Gloyd mentioned a Scute from Ajo, Ariz.

Bewan is said to have had *Atrax* from Tucumancaire, N.M.

Aug. Sunday 24, 1930

Spent the day talking things
over with Gloyd.

1930 Monday 25, Aug.

Spent the day with Dickerman of
the Federal Trade Commission

Aug. Tuesday 26, 1930

Spent the day with Dickermann
Gloyd worked in the basement

1930 Wednesday 27, Aug.

Spent the day with Dickerman
Gloyd worked in the basement

Aug. Thursday 28, 1930

Gloyd worked in the basement

1930 Friday 29, Aug.

Milked rattlers this noon
Gloyd worked upstairs.

Aug. Saturday 30, 1930

Had a final discussion with
Gloyd about the rattles situation.
He left this evening for Long Beach.

locality records

Scute

Congress, Ariz.

Molokais.

Hillside, Ariz

1930 Sunday 31, Aug.

Spent the day pickling rattlers.
Finished 24 today.

Sept. Monday 1, 1930

Labor Day.

Spent the day picking rattlers.
16 today.

Heard today of a Tantilla from
Sespe Canyon, from young
who called.

1930 Tuesday 2, Sept.

Sept. Wednesday 3, 1930

1930 Thursday 4, Sept.

Sept. Friday 5, 1930

Milked rattlers this noon.
New shelving for rattlers
Completed this noon.

1930 Saturday 6, Sept.

Pickled 13 specimens this afternoon.
Also miscellaneous duties.

Sept. Sunday 7, 1930

Pickled 23 rattlers and other
miscellaneous matters taken care of.

1930 Monday 8, Sept.

Sept. Tuesday 9, 1930

Went to Pasadena today, starting at 9⁴⁵; arrived at 4³⁰, 61 miles in the county - nothing seen in the county.

1 Pacific Rattlesnake DOR bet Dana Pt. & Coast Royal, Orange Co.

hooked in at Schulbach's place, Long Beach. Found he has gone on the road with a medicine show. His snake show has changed for the worse and is no longer worth seeing.

late in the afternoon went into LA and saw Winkley. Heard the story of his arrest at Nogales and the difficulty of getting data on the specimens taken on his trip.

He had a number of interesting specimens but as usual no definite locality data so made no records.

1930 Wednesday 10, Sept.

In Pasadena

Sept. Thursday 11, 1930

Went out to the L.A. Museum this afternoon and saw Grant and Hill. Also Dr. and Mrs. Roehrig and talked about the Herp. Society.

Ran the following interesting specimens:
 LA 607 *Tantilla* 2 mi. N. of Socorro Beach
 10 mi. S.E. of San Quentin B.C. Found
 hiding under agave bush in hills. 1-29-29.
 (Previously recorded as a ring-neck).
 This is a new northern record.

LA 37 *Tantilla* Sespe Canyon, Ventura Co
 Cal 8-20-30 Berdowski.

LA 646 *Uma notata*, Palmdale. 7-1-30
 (not seen).

A *multicincta* found in the roots of
 a palm in Los Angeles City.

1930 Friday 12, Sept.

Talked to Bogert who had just returned from his Col. trip. He collected *Trimorphodon* in Utah.

Started home about 5 P.M. and arrived at 6 P.M. Nothing seen. 61 miles in County.

Sept. Saturday 13, 1930

Miscellaneous filing etc.

1930 Sunday 14, Sept.

Miscellaneous filing etc.
Worked up statistics to Sept. 1

Sept. Monday 15, 1930

1930 Tuesday 16, Sept.

Sept. Wednesday 17, 1930

Went to S.F. today. Drove as far as L.A. A clear cool day. 161 miles in County:

1 Gopher Small DOR Las Flores
 1 " " " San Onofre

(Very small; this years crop sure.)

1930 Thursday 18, Sept.

Saw Slewin for a short time
this afternoon.

Sept. Friday 19, 1930

Drove down from LA. this morning.
a clear cool day. 1 Snake D & R
just of Del Mar grade, but couldn't
stop to identify. 61 miles in county.

1930 Saturday 20, Sept.

Milked rattlers this afternoon
(about 7 $\frac{1}{2}$) and shipped 28 to Alvin.

Talked to Huey and Quayle
about their coming trip to
Lower California

Sept. Sunday 21, 1930

Showed the collection to Boyert this AM. He gave me a large rattler from Zion and also traded for a mitchellii from Lucerne Valley. He showed me the following preserved specimens from his recent trip.

Trimorphodon 1 mi. N. of Springdale, Utah.

Phyllorhynchus 3 mi. S. of Needles
3 mi. E. of Barstow
on road to Daggett.

Sauropsis occipitalis 1.2 mi. E. of Goffs.

The *Trimorphodon* is like a very dark *lyrophanes*. The spots are quite irregular. The anal is clearly divided. The ground color between spots is very dark and punctated. There were about 30 spots.

Kale came around this evening to talk over plan of monographing *Phrynosoma*.

1930 Monday 22, Sept.

Reed today from Pappert, meter reader
a small Cal. King from National City.

Talked this afternoon with
J.T. Wright re collecting in southeast
Sonora. He is going down on a
long collecting trip in a short while.
Offered him \$100 apiece for not to
exceed 50 rattlers, not too many from
one place. May be small. Formalin
preserved or alive. Will see him again
before he goes.

Sept. Tuesday 23, 1930

Went to El Cajon Rotary Club today. A clear cool day. Out Broadway, black Fletcher Hills. 31 miles. Nothing seen.

Within the past few days I have seen very young specimens of the following:

Crotalus mitchelli

Pituophis catenifer annectens

Lampropeltis californica

Arizona elegans occidentalis

Masticophis flagellum frenatus

and about a week ago

Masticophis lateralis.

These specimens are quite evidently this year's crop and probably recently born or hatched.

1930 Wednesday 24, Sept.

Went to La Mesa Rotary Club
at noon. 20 miles. nothing seen.

Went to San Francisco by train in
the afternoon.

Sept. Thursday 25, 1930

Saw Pleiro's rattlesnake again
late this afternoon.

1930 Friday 26, Sept.

Returned from San Francisco this
noon.

Hill writes that the lung parasites
from the Mexican rattles are
Ponoccephalus crotali. They are
Singuatulids

Bogert sends me the following
locality records as a result of
his recent trip.

<i>A. e. occidentalis</i>	13 mi. E. of Victorville
<i>S. occipitalis</i>	6 mi. W. of Barstow
	10 " W. of Fenner
	12 " E. of Goffs.
	3 " E. of Goffs.
<i>P. decurtatus</i>	4 " E. of Barstow
	3 " S. of Needles
<i>S. g. hexalepis</i>	4 " N. of Topock
	4 " E. of Kingman
<i>R. lecontei</i>	1 " E. of Goffs
<i>C. scutulatus</i>	Victorville
<i>G. agassizi</i>	Kleinfeltes Springs

Sept. Saturday 27, 1930

Drove to Bakersfield this afternoon.
A clear cool day. Nothing seen in
the country. 61 miles.

Saw some possibilities late in
the evening on the long straight
away but could not stop.

1930 Sunday 28, Sept.

Bakersfield to S. F. today via
Pacheco Pass.

Sept. Monday 29, 1930

Palo Alto today. Myers was away. Talked to Herre and got a list of all Stanford Rattlers.

1930 Tuesday 30, Sept.

With Chickering nearly all day.

Oct. Wednesday 1, 1930

Returned to S.D. by train this
noon.

1930 Thursday 2, Oct.

Oct. Friday 3, 1930

milked rattlers this noon.

1930 Saturday 4, Oct.

Bad cold. Nothing done.

Oct. Sunday 5, 1930

Bad cold. Put away specimens.
Left for S.F. by train at noon.

1930 Monday 6, Oct.

Drove from S.F. to Santa Barbara
today! Quite hot. Arrived at
6³⁰. Nothing seen.

Oct. Tuesday 7, 1930

Drove from Santa Barbara to S.D. today starting at 9 AM and arriving at 3³⁰. A cool cloudy day.

Saw several snakes D.O.R. in Orange Co but didn't stop. 1 Gopher at Dana Point.

Nothing seen in S.D. Co. 61 miles.

1930 Wednesday 8, Oct.

Oct. Thursday 9, 1930

1930 Friday 10, Oct.

Record from Yelton. Specimen sent to Zoo.
Sidevinds 5 mi. N. of Kramer, S.B. Co.

Oct. Saturday 11, 1930

Beezey classifying and filing

1930 Sunday 12, Oct.

Classifying and filing Peale
Counts in a few rattles. UC cerastes
from San Felipe and 8 Stanford
specimens

Oct. Monday 13, 1930

Went to Oceanside to see
gas plant. 78 miles. Nothing
seen.

Recd a ring neck from Glasgow. SD

1930 Tuesday 14, W Oct.

Oct. Wednesday 15, 1930

Went to L.A. by train this evening

1930 Thursday 16, Oct.

In Los Angeles.

Oct. Friday 17, 1930

Returned from Los Angeles this
evening

1930 Saturday 18, Oct.

Walker told me today of an oreganus
from Deershorn flat which gives birth
to 13 young (all alive) in 4 minutes.
probably a damn lie.

Oct. Sunday 19, 1930

Worked all day on Stanford specimens which were practically finished.

Selected specimens in an exchange for E.D. Mc Kee.

1930 Monday 20, Oct.

Today recd from Henry Shelton a small rattler (*Oreogmus*) taken on north shoulder of south peak of Cuyamaca. Was found inside of a screen porch.

Also he told me of a brood found on September 20th. They first found one or two crawling loose while engaged in overturning rocks. Then under a large flat rock they found the mother and a number of little ones. There were eleven young all together including those which were crawling about. The species was *Oreogmus*. When the large rock was overturned the mother seemed to try to protect her young and did not try to escape until all were killed.

Oct. Tuesday 21, 1930

Left for the field at 8:30 AM.

Spent the day in the field, collecting specimens. The weather was very hot and sunny. We collected a large number of insects, including many new species. The collection was very successful.

Spent the evening at home, sorting and labeling the specimens.

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1930 Wednesday 22, Oct.

152 Confluentus arrived from
C.B. Perkin's today.

Hill visited my collection and
library today

Told me of Molossus from
Mesquite, N.M. (Doña Ana Co).

Oct. Thursday 23, 1930

Albino rattles arrived today
from Perkins.

1930

Friday 24,

Oct.

Oct. Saturday 25, 1930

Photographed albino rattler.
made out rattler sheets today
3094 - 3575

1930 Sunday 26, Oct.

Spent almost all day and evening transferring data from ledgers to separate sheets (measurements and localities) and finished this for 1130 specimens of which sex is given in ledgers to 3575. Also transferred some of Cook's scale counts to same sheets.

Spent a little time at the Zoo listening to comments on Confluentus exhibits.

Oct. Monday 27, 1930

Milked snakes this noon. 120

Roosevelt's Birthday

out of Perkins' lot of 153 confluentus
The others being juveniles were not
worth bothering with. Also 12 others.

Atrax locality record from
Santa Fe = Moriistown, Ariz.

1930 Tuesday 28, Oct.

Began the pickling of the Platteville
lot of confluentus.

Oct. Wednesday 29, 1930

Took talkies of venom removal
at the Zoo this noon.

Rec'd today from Howard 10
specimens for examination:

6 atrox

2 Scutes

1 molossus

1 stephensi

1930 Thursday 30, Oct.

Oct. Friday 31, 1930

Halloween

1930 Saturday 1, Nov.

Went to the San Diego High - Santa Ana
game this afternoon.

Worked on records tonight

Nov. Sunday 2, 1930

Finished 10 Howard specimens
Did considerable tabulating

1930 Monday 3, Nov.

Nov. Tuesday 4, 1930

Huey returned ^{Election Day} from Lower California today with 3 snakes, 3 lizards and some amphibians.

The snakes are good & new, a new northern record and strong color affinities with cerastes. also a good boa.

1930 Wednesday 5, Nov.

Today Cook had a yearling
oreganus and a yearling gopher
taken in Balboa Park this A.M. The
latter contained a rather large mouse,
very large for so small a snake.

Nov. Thursday 6, 1930

(Continued from Nov 7)

Chambers = 206 a broad river valley with bluffs in the distance. Flat, brown, light brush. Snow again. Some small mesas in the distance. As far as the rattlers along the RR are concerned they would have a flat prairie.

Same at Cheto. A few bluffs in the vicinity. Snowing outside.

197 Junipers again. Must be going up.

194 Still climbing. Rocky bluffs all about. No more prairie. Junipers and shrubs. Many rocks.

Houck. Rolling but cut up prairie again. Bate's plain prairie all the way into Gallup. Sage brush. 5²⁵ and almost dark at Gallup.

1930 Friday 7, Nov.

(Continued from Nov 11)

At 258 more rough, rocky and rolling. Still red and red brown soil. Sparse vegetation. Many rocky bluffs.

At Holbrook there are flats with rocky bluffs. (miles 253) The soil is gray brown but becomes quite red again east of Holbrook, where the red strata is exposed.

At 248 less red, more level again.

Carrizo = 238+. Red brown, rolling prairie with a river and trees on one side.

Navajo - Apache Co. line. Rolling prairie, thin grass and small bushes.

Adamana (Petrified forest 6 mi. S). Red brown rolling prairie. Very few buildings between RR stations. There are outcrops of rock bet. Adamana and Biko.

At 223 still a rolling prairie. Bushes a little larger. Soil red brown. Rocky bluffs close by.

Navajo = 213. Same rolling prairie and red brown soil. Small bushes
(Continued on Nov 6)

Nov. Saturday 8, 1930

Misc. Clerical work and filing

1930 Sunday 9, Nov.

Miscellaneous clerical work.
Getting ready for Chicago trip.

See also 11/10/30

Locality record gopher - Rosarita Beach
B. C.

Gila Monsters Date Ariz
Tanque Verde, Ariz.
Casa Grande, Ariz

Long nose, Date Ariz
Chuck, Mayer, Ariz

Nov. Monday 10, 1930

Miscellaneous clerical work.

Checked about 10 odd specimens

As of this date all foreign specimens have been checked and sent back. Even Nat. Hist. Collection has been checked, although all details are not complete on cerastes.

Have sent for and am expecting about 20 specimens each from the USNM and L.A. collections and 3 each from MVZ and Toledo.

Above entry should be under 11/9/30

1930 Tuesday 11, Nov.

Armistice Day

Getting ready for a trip to Chicago

Continued from Nov 12.

At 313 short grass prairie. Practically no brush. Cut by occasional canyons. Canyon Diablo at 312. Typical prairie with some rocks.

At 305 the soil has turned red and red out crops stick up around. Grass somewhat sparse.

Very red and somewhat rolling at 300. Moqui (MP293) very red flat and rocky with a few distant buttes.

At Winslow the soil is still red. Vegetation sparse. Country flat. Hills in the distance. Some rocks.

East of Winslow it is still quite red. Grass and some brush, rather sparse. At 280 soil not quite so red. Country a little more rolling.

At Haver. Somewhat rolling with short brush. Soil still quite red.

At 263 still red, slightly rolling, with water courses.

(Continued on Nov. 7)

Nov. Wednesday 12, 1930

Left today for Chicago
Spent the night in L.A.

Continued from Nov 13.

at MP392 some snow. Still climbing.
Rolling country with rocks and trees.
Red brown soil. At MP391 Quite hilly.
Plenty snow.

Williams at noon. Plenty snow.
Have been conifers for about 10 miles.
Plains to the north, mountains to the south.
Snowing.

Maine Sta. a rather level country of
conifers. Mts in the distance.

Flagstaff. Large conifers. Rocky hills.
much snow.

MP334. Conifers replaced by large
junipers. Small level fields amid hills.
Plenty snow, but less.

MP323. More barren and flatter. Junipers
are smaller. Little snow. This begins to
look like typical prairie country.

A few hills in the back ground. At 319 it is
quite flat. Junipers have disappeared,
Snow nearly gone. Typical prairie, some
yellow sandstone scattered about. Soil yellow
grass short. (Cont to Nov 11)

1930 Thursday 13, Nov.

Interchange meeting.

Left L.A. for Chicago in the evening.

Continued from Nov 14th

Very red in fact, the first I have seen. There are oaks here.

Another grass plain at Pica. Cold here at 10 AM.

Seligman. Another plain surrounded by rocky hills. Passed one very red outcrop.

MP 429. Temp 40°F.

Crookton. Rolling country. Red brown soil. Some rocks. Frequent large junipers. Regular trees. Matted grass. Pineveta. Rolling plain, with gray rocks. Have come down from Crookton.

Ash Fork. A rolling plain with sparse vegetation. Junipers. Plenty of snow covered mts. to the north. Then rolling hills, red brown soil. Plenty junipers and stones. Mountains to the south.

East of Ash Fork about 10 mi. we climb again. Still red brown soil. Snow covered mts. to the east.

Continue climbing E. of Ash Fork. MP 397 many junipers, grass stones (Cont to Nov 12)

Nov. Friday 14, 1930

Woke up this morning 8 mi. E. of Kingman. This is a level somewhat sandy bunch-grass plain with occasional mesquite. There are plenty of mountains in the distance to the north.

Same at Antares. Somewhat undulating and cut by washes.

The mountains are now getting closer. More sagebrush. More undulating.

At Hackberry the mountains are close with brown rock. From here on we climb up and it becomes increasingly mountainous and rocky. Junipers begin to appear. Then up on the mesa at MP 471 it is an undulating plain again.

Then come alternating small plains and low rocky mts.

At Peach Springs it is rocky but there are no high mts. Hilly and rocky with Junipers at Nelson. Another rolling plain at Fields. High enough for plenty of junipers. This alternates with low rocky mts.

Flat but rocky at Yampai. Going down into heavy large junipers. Some red soil.
(Cont to Nov 13)

1930 Saturday 15, Nov.

Enroute to Chicago.

Nov. Sunday 16, 1930

Spent the day 10AM to 4 P.M.
at Field Museum with K.P. Schmidt.
looked at many rattlers and talked
snakes and literature.

1930 Monday 17, Nov.

at Chicago.

Nov. Tuesday 18, 1930

Went to El Cajon this noon. Out
via Broadway; returned via Fletcher
Hills. A clear warm dry day. Nothing
seen.

(above entry should be Nov 25th)

Left Chicago for California this
evening.

1930 Wednesday 19, Nov.

Enroute to San Francisco from
Chicago.

Nov. Thursday 20, 1930

Enroute from Green River, Wyo.
westward.

Woke up at Green River at 7 A.M. Train
about 2 hours late. For the first ten
miles west of Green River there is certainly
no barrier to Confluents. The conductor
says this is quite warm in summer
but too high to be hot. There are rolling
brush covered hills. The ground is
brown from shale. The brush is
sparse and low. The hills appear less
than 1000 ft high. Altogether it looks like
good snake country.

A few miles further (826 from Omaha)
it is so level as to be almost a prairie.
Sparse low brush. Must look like a
desert in summer. Snow covered now.
Same at 833. A broad flat valley for many
miles. Same at 844.

Broad rolling plains at Granger. Still
the same rolling plains at 871.

Carter. Still the same.

at 885 more hilly with a few scrubby
trees. This is Bridges. Still looks
like good snake country.

(Continued on Nov. 21)

1930 Friday 21, Nov.

Arrived in S.F. in the morning. Business all day.

Continued from Nov 20th

At 897 quite rough, sandstone hills. Scrub junipers. But no bar to confluentus. If not too cold in summer. Hills maybe 500 ft. high. This is Spring Valley.

At Aspen tunnel still same rolling country. The tunnel goes through a hill, not a mountain.

Beyond Attamont rolling hills again with some good sized mts. Same at 913 and Evanston.

Wyuta. Rolling prairie

943 beginning to be quite rough. Some real mts. But snakes could filter through the canyons.

950 going down a canyon with 1000 ft sides. Plenty snow.

Echo. Canyon wide.

Henzler Valley considerable width.

959 Canyon narrow again. Winding. Snow widens out again at 965. Quite wide at Morgan narrow again 8 or 9 miles from Ogden. Northern Nevada is a detrital sage brush plain spotted with mountains.

Nov. Saturday 22, 1930

Went to Berkeley in the morning.
Met Drs Grinnell, Hinsdale, Hall,
Goldman and Messrs Woodbury and
Dixon.

Saw Woodbury's \rightarrow live *Luturus*.
Arranged with Hinsdale to send
me some specimens. Made notes
on a number of specs.

Went to lunch with Woodbury and
then to the game.

1930 Sunday 23, Nov.

Cook caught a ruler at
La Puerta today.

Spent part of the day (10 AM to 3 PM)
with Rlevin at the Academy. Checked
a number of scale counts and
got others from the Academy.

Nov. Monday 24, 1930

Returned today from Chicago trip. Recd a large ring neck from near Mission Valley crossing of El Cajon - Escondido line 3 mi. N. of Mission Gorge.

1930 Tuesday 25, Nov.

See entry made under Nov 18th in
error.

Nov. Wednesday 26, 1930

1930 Thursday 27, Nov.

Thanksgiving Day

In the morning worked up 22
USNM specs, and 13 L.A.

Also some miscellaneous clerical
work

Nov. Friday 28, 1930

1930 Saturday 29, Nov.

Worked on rattles sheets today while listening to the Stanford-Dartmouth game.

As of today all primary scale counts on all the rattlers in my collection (and the few in NH collection as well) have been made and entered on proper sheets. These counts include:

Scale Rows, Ventrals, Caudals, Supralabials, Infraorbials, Head Dimensioning, Body Dimensions, Body Blotches and Rattles.

In addition complete scale counts and sheets have been made on all species which have been studied up to beginning of 1930.

I will now proceed to complete the scale counts on the species I propose to investigate this winter especially *Confluens* ssp. and *Tigris*.

Nov. Sunday 30, 1930

Today checked up the following specimens from my own collection

Abyssus	3
Lutusus	4
Stephensi	1
Mitchellii	14
Tigris	11
	<hr/> 33

This completes all of the above added to my collection this year except mitchellii, of the above species.

This is not to be considered a criterion of a days work. mitchellii is particularly difficult to break up of scales.

1930 Monday 1, Dec.

Dec. Tuesday 2, 1930

1930 Wednesday 3, Dec.

Dec. Thursday 4, 1930

1930

Friday 5,

Dec.

Dictated the first very rough draft of the proposed Shakes and Autos paper. The tables up to date in preliminary form were worked out on the train going east.

Today I noted carefully the method of rattling of an adamanteus. The motion is clearly sideways that is the short way of the rattle $\leftarrow \bigcirc \rightarrow$. This could be seen clearly as this snake rattled (in tending to quiet down) by spasmodic single or double jerks or twirl twitches.

Dec. Saturday 6, 1930

Went to L A today to the USC
Notre Dame game. A clear cool
day, 66 miles in the country.
Nothing seen inside or out. Returned
after dark.

1930 Sunday 7, Dec.

I today finished scale counts on the remaining *Mitchellii* in my collection, also all *Arizona oreganus*. I am beginning to believe *cerberus* will stand partly *luc* color and high first supralabial + prenasal separation.

Dec. Monday 8, 1930

Recd today from Hayes 10
Confluentia from Adamana. Also
picked specimens from U. C. for
examination

1930 Tuesday 9, Dec.

Dec. Wednesday 10, 1930

1930 Thursday 11, Dec.

Today I started on my basement vacation. Was little disturbed from the office and got quite a bit done.

Finished the oreganus specimens in my collection (17); the rattless lately borrowed from U.C. (11) and some scutes (19); total 47. The scutes go fast of c of uniformity of scales. In the evening did various clerical work etc.

Cook finished Bancroft collection today.

Dec. Friday 12, 1930

Had a good day today. Not
disturbed much by business. Finished
all the scutes in my collection and
organ work on the Confluent of
which there are 92. (not including
Platteville) Completed set

1930 Saturday 13, Dec.

Did not make much progress with scale counting today.

In the morning I made a careful canvas of the cerberus - confluentus contact between Gled, Ariz and Valle, Ariz and concluded that intergradation is evident. Then talked at length with Dr. Sumner re predatory animal control etc.

In the afternoon went to the Annual meeting of the Fellows of the Nat. Hist. Society.

As of this date I am about half through with the confluentus caught this year. Have 45 more to do.

Dec. Sunday 14, 1930

Made good headway today. Finished all the Confluents except the 10 latest from Adamawa; and went back and checked all the missing data on the old specimens. Thus went over all the confluentia in the collection.

1930 Monday 15, Dec.

Did not have a fruitful day today. Finished the 10 *Adamana* specimens and 24 *Platteville*. The latter go more slowly as recording more data. Made a careful survey of a series of Colo., N.M. and Arizona *confluentus* spreading out 126 for this purpose. Made general notes concerning the color and form changes. This took quite a time.

Have decided it will be best if I am to proceed with the *Confluentus* - *Tigra* - *Enys* paper that it will be in order to proceed with the map work first. This will involve considerable correspondence and to get replies in time should be under way.

Started Cook measuring rattles on the *Platteville* series.

gg sprained her ankle.
made good headway tonight on mapping *confluentus*.

Dec. Tuesday 16, 1930

Worked hard today on the
Platteville conglomerates. It is
hard tedious work, goes slowly
apc so much to ~~so~~ record. Only
finished 58 making total 82 to
date or less than half done.

1930 Wednesday 17, Dec.

Didn't get much done today. Dictated nearly all morning. Only finished 20 of the Platteville specimens and 4 from Conant.

Started a campaign for Confluentia locality material.

Decided today to write a paper on Tigris and Enyo separate from the proposed Confluentia paper.

Heard today from Gloyd of a Molossus taken 48 mi. south of Marathon, Tex. Brewster Co. This for locality record.

Dec. Thursday 18, 1930

Very little progress today.
Too much company business,
Rotary lunch and other distractions.
Finished about 25 of the Platteville
confluentus leaving about 40 to
do. Did accomplish some useful
work investigating rattle formation.
The scale counting is hard on the
eyes and I am going to quit for
the present when I have finished
the Platteville specimens, leaving
the others unfinished.

1930 Friday 19, Dec.

Finished the Platteville specimens today. Will do no more scale counting for awhile as it is too hard on the eyes.

Started tabulating today.

Dec. Saturday 20, 1930

Busy tabulating scale counts, particularly on the Platteville lot and made good progress. This was in the afternoon and evening. Broke into my vacation and worked at the office all morning.

1930 Sunday 21, Dec.

Busy tabulating scale counts
and made good progress,
particularly on the material
needed for the Tigris-Enyo paper.

Dec. Monday 22, 1930

This day was a ^{Shortest Day} disappointment. Made some progress morning and late evening on tabulating averages of oregonus and mitchellii to compare with enyo and tigris, but had to spend the entire afternoon in the office and shopping.

1930 Tuesday 23, Dec.

Another day with some tabulating
but mostly Company work.

Dec. Wednesday 24, 1930

Worked at office as usual.
Too much business. Vacation
is over.

1930 Thursday 25, Dec.

Christmas.

Did some ceaster copy work,
otherwise nothing done.

Dec. Friday 26, 1930

1930 Saturday 27, Dec.

In the afternoon started work on the tigris-enys paper. The statistical work is finished (except the crastes column) but the write up began today.

Dec. Sunday 28, 1930

Worked on Enyo and Tegriss
in the morning and afternoon. Spent
the late afternoon and evening working
over book arrangements in the
library.

1930 Monday 29, Dec.

Dec. Tuesday 30, 1930

1930 Wednesday 31, Dec.

Notes For 1931

Memoranda

Memoranda

Memoranda

Memoranda

Memoranda

JANUARY—CASH

REC'D

PAID

FEBRUARY—CASH

REC'D

PAID

MARCH—CASH

REC'D

PAID

APRIL—CASH

REC'D

PAID

MAY—CASH

REC'D

PAID

JUNE—CASH

REC'D

PAID

JULY—CASH

REC'D

PAID

AUGUST—CASH

REC'D

PAID

SEPTEMBER—CASH

REC'D

PAID

OCTOBER—CASH

REC'D

PAID

NOVEMBER—CASH

REC'D

PAID

DECEMBER--CASH

REC'D

PAID

SUMMARY—CASH

REC'D

PAID

Cash on hand Jan. 1st

January

February

March

April

May

June

July

August

September

October

November

December

Total

Balance to new Acc't

POSTAGE

CLASSIFICATION	DOMESTIC	FOREIGN
Letters, First Class Matter.....	2c. per oz. ^{oo}	o
Post Cards (Private)	1c. each	o
Postal Cards (Government).....	1c. each	o
Newspapers, Magazines, Periodicals.....	1c. for each 2 ozs.	o
Circulars and miscellaneous printed matter, also mdse.....	1½c. for each 2 ozs.†	o
Merchandise, catalogs, etc., over 8 ozs....	Zone rates apply	o

REGISTRY FEE. In addition to postage, Foreign 10c. Domestic first-class and sealed fourth-class mail prepaid with first-class postage, indemnified for \$50.00 or less, fee 15c.; \$100.00 or less, 20c. Return receipt 3c. extra. Indemnity limited to \$1000.00, see P. O. for other rates.

^{oo}Drop letters, 1c. per oz.

†The rate on printed books or catalogs having 24 or more pages, seeds, bulbs, etc., weighing 8 ozs. or less, is 1c. for each 2 ozs. or fraction thereof.

°For foreign rates and conditions, inquire at Post Office.

DOMESTIC: SPECIAL DELIVERY. - First-class. - A special delivery stamp or ten cents' worth of ordinary stamps and the words "Special Delivery" marked on the envelope or wrapper, in addition to the regular postage, secures the special delivery of any piece of mail matter weighing not more than 2 lbs., including parcel post packages, within one mile of any U. S. post office. On mail matter weighing more than 2 lbs., but not more than 10 lbs., 20c.; over 10 lbs., 25c.

REFORWARDING.--First-class matter (Letters, postal cards, etc.) will be forwarded without extra postage. Other matter requires a new prepayment of postage.

Mail matter for Hawaii, Porto Rico, the Phillipines, The Island of Guam and Tutuila, the "Canal Zone", and the Virgin Islands of the U. S., is subject to domestic rates and conditions.

AIR MAIL. Where air routes are established rate is 5c. for first oz. or fraction thereof and 10c. for each additional oz. or fraction thereof. Mailable matter of any class not liable to freezing may be sent. Must be plainly marked "VIA AIR MAIL". Fifty lbs. maximum weight.

DOMESTIC PARCEL POST.--Merchandise may be sent by domestic parcel post, the rates depending on weight and distance, concerning which inquire at Post Office.

REQUIREMENTS.--Sender's name and address must appear on package--otherwise unmailable; parcels over four ounces must be mailed at Post office or places designated--not in street boxes; contents easily examined; limit of size, 84 inches in length and girth combined.

SPECIAL HANDLING.--10c. postage affixed to a parcel, in addition to the regular postage charges, with the words "Special Handling" written or printed on the wrapper, secures the same expeditious handling of a fourth-class article not more than 2 lbs., as accorded first-class mail, over 2 and up to ten lbs., 15c.; over 10 lbs., 20c.

C. O. D.--Goods may be sent C. O. D. by parcel post. On amounts not exceeding \$10.00, the fee is 12c.; not exceeding \$50.00--15c.; \$100.00--25c., collected and returned to the sender. Fee also insures the parcel.

POSTAL SAVINGS.--Money may be deposited to individual accounts at offices which have been designated as Postal Savings Offices, and interest is paid at the rate of 2 per cent, per annum on deposits.

DOMESTIC MONEY-ORDER FEES.--For orders from \$0.01 to 2.50--5c.; \$2.51 to \$5.00--7c.; \$5.01 to \$10.00--10c.; \$10.01 to \$20.00--12c.; \$20.01 to \$40.00--15c.; \$40.01 to \$60.00--18c.; \$60.01 to \$80.00--20c.; and \$80.01 to \$100.00--22c.

Subject to change after going to press

CALENDAR FOR 1931

1931	S	M	T	W	T	F	S	1931	S	M	T	W	T	F	S
Jan.	...	...	...	...	1	2	3	July	...	...	...	1	2	3	4
	4	5	6	7	8	9	10		5	6	7	8	9	10	11
	11	12	13	14	15	16	17		12	13	14	15	16	17	18
	18	19	20	21	22	23	24		19	20	21	22	23	24	25
	25	26	27	28	29	30	31		26	27	28	29	30	31	..
Feb.	1	2	3	4	5	6	7	Aug.	...	...	...	...	...	...	1
	8	9	10	11	12	13	14		2	3	4	5	6	7	8
	15	16	17	18	19	20	21		9	10	11	12	13	14	15
	22	23	24	25	26	27	28		16	17	18	19	20	21	22
									23	24	25	26	27	28	29
Mar.	1	2	3	4	5	6	7	Sept.	30	31	...	...	...	...	...
	8	9	10	11	12	13	14		...	...	1	2	3	4	5
	15	16	17	18	19	20	21		6	7	8	9	10	11	12
	22	23	24	25	26	27	28		13	14	15	16	17	18	19
	29	30	31	...	...	...	...		20	21	22	23	24	25	26
Apr.	...	...	...	1	2	3	4	Oct.	27	28	29	30	...	...	...
	5	6	7	8	9	10	11		...	...	...	...	1	2	3
	12	13	14	15	16	17	18		4	5	6	7	8	9	10
	19	20	21	22	23	24	25		11	12	13	14	15	16	17
	26	27	28	29	30	...	...		18	19	20	21	22	23	24
May	...	...	...	...	...	1	2	Nov.	25	26	27	28	29	30	31
	3	4	5	6	7	8	9		1	2	3	4	5	6	7
	10	11	12	13	14	15	16		8	9	10	11	12	13	14
	17	18	19	20	21	22	23		15	16	17	18	19	20	21
	24	25	26	27	28	29	30		22	23	24	25	26	27	28
	31	...	...	...	...	...	...		29	30	...	...	...	...	...
June	...	1	2	3	4	5	6	Dec.	...	...	1	2	3	4	5
	7	8	9	10	11	12	13		6	7	8	9	10	11	12
	14	15	16	17	18	19	20		13	14	15	16	17	18	19
	21	22	23	24	25	26	27		20	21	22	23	24	25	26
	28	29	30	...	...	...	...		27	28	29	30	31	...	...

